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The 1951 Iowa corn yield test

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IOWA STATE
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IOWA CORN YIELD TEST



1951

AGRICULTURAL EXPERIMENT STATION—AGRICULTURAL EXTENSION SERVICE
IOWA CROP IMPROVEMENT ASSOCIATION
BUREAU OF PLANT INDUSTRY, SOILS AND AGRICULTURAL ENGINEERING
AGRICULTURAL RESEARCH ADMINISTRATION
UNITED STATES DEPARTMENT OF AGRICULTURE, Cooperating

IOWA STATE COLLEGE

AMES, IOWA

FOREWORD

This bulletin reports the results of the 1951 Iowa Corn Yield Test in which the performance of 261 different corn hybrids was compared.

The state was divided into four sections, each of which was subdivided into three districts. A test field was planted in each district except district 10, where the prolonged wet spring forced us to abandon our planting plans. With the exception of district 10 in the southern section, each hybrid entry was tested in all three districts of a section. The map shows how we divided the state into sections and districts and the approximate location of the farms where the hybrids were compared.

Any producer of hybrid corn seed was eligible to enter his corn in the test. Ten widely grown hybrids in each section also were entered by the Iowa Corn and Small Grain Growers' Association.

In the back of the bulletin you will find an index listing the hybrids tested in 1951. The index also lists the table numbers where the performance record of each entry is shown and indicates whether the hybrid is a single, three-way, double or multiple cross.

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Agricultural Experiment Station, Iowa State College of Agriculture and Mechanic Arts, Floyd Andre, director, Ames, Iowa.

The 1951 Iowa Corn Yield Test¹

By JOE L. ROBINSON and CHARLES D. HUTCHCROFT²

THE IOWA CORN YIELD TEST has been conducted annually since 1920 by the Iowa Corn and Small Grain Growers' Association in cooperation with the Iowa Agricultural Experiment Station. In 1951 the Iowa Corn and Small Grain Growers' Association was combined with the Iowa Crop Improvement Association. This change became effective July 4, 1951.

The majority of hybrids tested in the Iowa Corn Yield Test were entered voluntarily by commercial hybrid corn companies. In addition, several hybrids were tested for the Agronomy (Farm Crops) Department and U.S.D.A. and for the Iowa Crop Improvement Association. The Iowa Crop Improvement Association entries are classified as follows:

a. Hybrids widely grown in each section as determined by

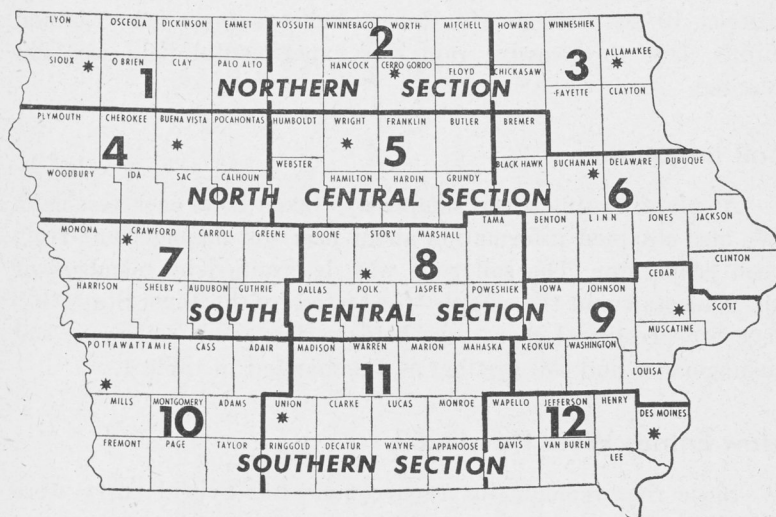


Fig. 1. Division of the state into sections and districts. Each dot shows the location of a test field.

¹ Project 1170 of the Iowa Agricultural Experiment Station. The Iowa Corn Yield Test is conducted cooperatively by the Iowa Corn and Small Grain Growers' Association (now Iowa Crop Improvement Association); Agronomy (Farm Crops) Department, Iowa Agricultural Experiment Station; and the Division of Cereal Crops and Diseases, Bureau of Plant Industry, Soils and Agricultural Engineering, Agricultural Research Administration, United States Department of Agriculture.

² Secretary of the Iowa Corn and Small Grain Growers' Association and research professor, Agronomy (Farm Crops) Department, Iowa Agricultural Experiment Station; and associate in Agronomy (Farm Crops) Department, Iowa Agricultural Experiment Station, respectively.

a survey of farmers. You will find these hybrids listed in the tables as entered by the Iowa Corn and Small Grain Growers' Association.

b. Hybrids designated in the 1951 certification handbook as base hybrids. Four hybrids in each section were selected as base hybrids. To be eligible for certification a hybrid must meet certain minimum requirements, when compared with the average performance of the four base hybrids in the appropriate section.

c. Station hybrids entered to establish a performance record to determine eligibility for certification.

Location of Test Fields

Figure 1 shows how the state was divided into 12 districts and these in turn into 4 sections.

Each entry was planted in all three districts of a section, except in the southern section. Plans were made to locate the district 10 test field on the Robert Behrens farm near Council Bluffs. Due to excessive rain this experimental field was not planted.

Soil Information

At planting time a soil sample was taken from each test field. We also obtained information about past soil management from each cooperator. The soil type was determined by members of the soils staff and the sample was tested by the Iowa State College Soil Testing Laboratory. Information about soil type, soil management and soil fertility is summarized in table 1.

How Entries Were Handled

Basic requirements for each commercial hybrid entry were as follows:

a. At least 50 bushels of each hybrid must have been available for planting in 1951.

b. All seed samples for planting were taken at random by representatives of the Iowa Crop Improvement Association. Large quantities of seed were often sampled at more than one location. These samples were taken from seed to be sold to farmers.

TABLE 1. INFORMATION ABOUT THE SOIL ON WHICH THE TEST PLOTS WERE PLANTED.

Location	Soil type*	Lime requirement	Available phosphorus	Available potassium	Organic matter	Previous management
DISTRICT 1						
Sioux County	Marcus silty clay loam	None	Medium	High	Medium High	Corn 1949; Flax 1950; 125 lb. 0-20-0 1951; 1 ton lime 1949.
DISTRICT 2						
Cerro Gordo County	Carrington & Floyd silt loams	None	Low	Low	Medium	Oats 1949; Timothy-Alfalfa pasture 1950; 8 tons manure 1950; 2½ tons lime 1944.
DISTRICT 3						
Allamakee County	Downs silt loam	None	Medium	Medium	Medium Low	Hay 1949; Pasture 1950; 3 tons lime 1950.
DISTRICT 4						
Buena Vista County	Webster & Nicollet silty clay loams	None	High	Medium High	Medium High	Oats 1949; Red Clover-Brome pasture 1950; 200 lb. 6-24-0 1951; 5 tons manure 1950.
DISTRICT 5						
Wright County	Webster silty clay loam & Nicollet loam	None	Medium	Medium	High	Oats 1949; Clover 1950.
DISTRICT 6						
Buchanan County	Floyd & Carrington silt loams	4 tons	Low	Medium	Medium	Oats 1949; Clover 1950; 4 tons lime 1947.
DISTRICT 7						
Crawford County	Marshall silt loam	1½ tons	Medium	Very high	Medium	Oats 1949; Clover 1950; 12 tons manure 1951.
DISTRICT 8						
Story County	Webster silty clay loam & Nicollet loam	None	Medium Low	Medium Low	High	Corn 1949; Barley 1950; 6 tons manure 1949.
DISTRICT 9						
Cedar County	Tama silt loam	None	Medium	High-Very high	Medium	Oats 1949; Clover & Timothy 1950.
DISTRICT 11						
Union County	Winterset silty clay loam	None	Medium	High	Medium	Oats 1949; Clover 1950; 150 lbs. 0-45-0 1949; 5 tons manure 1947; 2½ tons lime 1944.
DISTRICT 12						
Des Moines County	Taintor silty clay loam	None	Low	Medium	Medium High	Corn 1949; Soybeans 1950; 100 lbs. 0-46-0 1950; 100 lbs. 0-33-0 1951; 3 tons lime 1946.

* The soil types indicated above were approved by F. F. Riecken, research professor of soils, Iowa State College, Ames, Iowa.

c. Each hybrid was entered only under the name of the grower of the seed.

At planting time each entry was given a number. The entries were known only by this number until after the plots were harvested and the calculations completed. Therefore, no person concerned with the test knew the identity of any entry.

Method of Conducting Experiments

In northern, north central and south central Iowa, 81 hybrids were tested in each district of each section in a 9 x 9 lattice square design with 5 replications. In southern Iowa 64 hybrids were tested in districts 11 and 12, using an 8 x 8 triple lattice design with 6 replications. Three kernels per hill were hand-planted in 2 x 10 hill plots in all districts except 8. A 2 x 8 hill plot was planted in district 8 with a 2-row International 120 planter, converted for plot planting.

Seven characteristics of each hybrid were recorded and summarized. Yield is given in bushels per acre with moisture adjusted to 15.5 percent. Field weights were corrected to a full-

stand basis when 25 percent of the hills or less were missing. An estimated yield was calculated for plots having more than 25 percent missing hills. No correction was made for stand variation unless the entire hill was missing.

It is not possible to determine yielding ability with absolute accuracy by any method of testing. Therefore, you should not conclude that any one hybrid is higher yielding than another if the differences shown in the tables are very small. You will find figures in bushels per acre below each district and section table which show the number of bushels two hybrids must differ in yield

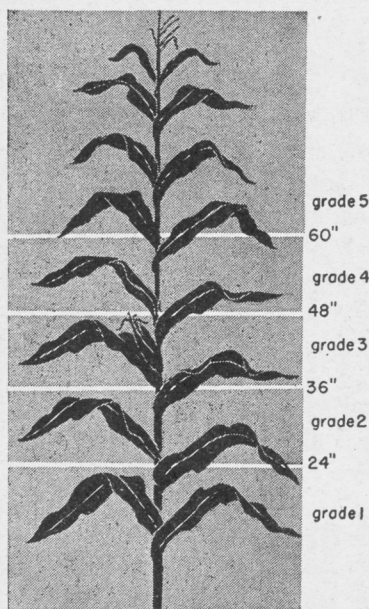


Fig. 2. Ear shown on stalk above is at grade 3.

before they can be considered significantly different in yielding ability.

Rather than using yield as the sole basis for ranking the hybrids, we have used a performance score. All hybrids in each table are ranked by this performance score which is based on four factors—yield, moisture, lodging and dropped ears. Fifty percent of the performance score is for yield, 20 percent is for dryness of corn, 20 percent for resistance to lodging and 10 percent for resistance to ear dropping.

You will find information about each hybrid in tables 4 to 22. The tables are divided into three classes.

1. Period-of-years tables. These show averages for hybrids tested each year for the past 2, 3 and 4 years. A record for each section is given in tables 4 to 7, inclusive.

2. Section tables. There are four of these—tables 8 to 11, inclusive. They contain the averages for the districts in 1951.

3. District tables. Tables 12 to 22, inclusive, report the results from each test field harvested in 1951.

When selecting a hybrid, choose one that is in production. The amount of seed available for planting in 1951 is listed in the tables. Entries marked "Comp." indicate the sample was a "composite" from several growers. These were tested to determine their eligibility for certification. You may obtain a list of the producers of composite hybrids by writing to the Iowa Crop Improvement Association.

The column headed "bushels available for planting in 1951" indicates the amount available only for that year. In new hybrids, the amount of seed available for planting in 1952 may be much greater.

Some of the information about each entry was obtained in early September. We counted the stalks and number of missing

hills in each plot. Average ear height also was recorded. This is the distance from the ground to where the ear shank attaches to the stalk. Five grades were used. They are shown in fig. 2. Grade 1 is under 24 inches; grade 2, 24-36 inches; grade 3, 36-48 inches; grade 4, 48-60 inches; grade 5, over 60 inches.

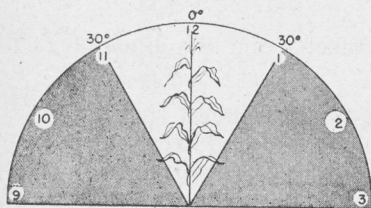


Fig. 3. Stalks leaning into shaded area (30° or more from vertical) are counted root-lodged.

Just before harvest each entry was checked for root lodging, stalk lodging and number of dropped ears. We counted the number of plants broken below the ear in each plot. We called these stalk-lodged. Plants leaning more than 30 degrees from upright we called root-lodged, as shown in fig. 3. Ears that had fallen to the ground were counted as dropped ears.

Moisture percentages were determined by removing two rows of kernels from several ears taken from each of three replications. The shelled corn was placed in two airtight moisture cans. These cans were taken to Ames where a Tag-Heppenstall moisture meter was used to make the moisture tests. An average of the two tests gave us the moisture content in the corn when it was harvested.

Results for 1951

A comparison of averages in the yield test for each of the past 17 years is shown in table 2. This shows that the corn in the 1951 test had the best stand and the most moisture in the 17 years. While yield, lodging and dropped ears varied only slightly from the 17-year average, both yield and dropped ears were slightly below average and lodging above average.

Weather plays an important part in the growth of corn. And 1951 was no exception. Rainfall averaged higher and temperatures lower than normal. The following weather information for May through November is from 1951 Climatological Data³ for Iowa.

Month	RAINFALL IN INCHES		TEMP. IN DEGREES FAHRENHEIT	
	State av.	Departure from normal	State av.	Departure from normal
May -----	5.09	+1.13	62.2	+1.8
June -----	6.11	+1.57	65.2	-4.3
July -----	4.45	+0.85	72.1	-2.8
August -----	6.21	+2.45	70.5	-2.1
September -----	2.52	-1.49	59.8	-4.6
October -----	3.28	+0.99	52.0	-0.5
November ----	1.30	-0.42	31.0	-6.4

The following statements are taken from the climatological report.

"The records show June to be 7th coolest, August 6th wettest, September 9th coldest and November 6th coldest since 1873. The Iowa corn crop had the highest moisture on November 20 ever recorded since checking started in 1928."

³ Climatological Data for Iowa, May through November. U. S. Department of Commerce, Weather Bureau, 1951.

TABLE 2. SUMMARY OF RESULTS FROM THE AVERAGE OF ALL DISTRICTS FOR THE 17-YEAR PERIOD 1935 TO 1951, INCLUSIVE

Year	Average yield bu./acre	Average stand pct.	Average moisture pct.	Average lodging pct.	Average dropped ears pct.
1935	66.08	78.3	24.1	15.9	1.4
1936	38.02	77.8	19.5	22.0	2.6
1937	72.63	84.8	21.0	18.7	0.8
1938	73.03	80.7	16.7	14.5	1.2
1939	78.21	84.1	15.1	16.4	3.1
1940	71.99	85.2	19.4	6.9	0.6
1941	68.31	87.2	20.7	34.9	1.0
1942	82.13	82.4	21.9	8.2	0.2
1943	83.13	78.9	24.7	9.1	0.2
1944	76.63	84.9	21.6	4.7	0.3
1945	71.76	86.8	24.9	28.3	0.8
1946	88.11	80.4	22.9	24.0	0.6
1947	55.12	80.6	18.3	27.9	1.0
1948	88.75	82.0	19.8	14.1	1.1
1949	77.28	84.5	17.2	34.5	8.6
1950	74.77	85.5	20.0	13.0	0.6
1951	70.59	87.4	27.7	21.1	0.4
Average	72.74	83.0	20.9	18.5	1.4

The average high moisture readings in the 1951 Iowa Corn Yield Test show the effect of the higher than normal rainfall and cooler temperatures.

Average moisture for the 11 fields was 27.7 percent. This is 2.8 percent above the average for 1945, the next wettest year. Five of the eleven test fields harvested in 1951 averaged over 30 percent moisture. You'll find the date when each field was harvested listed above the district tables. Table 3 shows a summary of the performance of each test field harvested.

TABLE 3. A SUMMARY OF THE 1951 FIELD RESULTS—AVERAGE PERFORMANCE BY FIELDS.

District	Yield bu./acre	Stand pct.	Moisture pct.	Lodging pct.		Dropped ears pct.
				root	stalk	
1	47.27	88.5	34.8	1.8	4.5	0.6
2	59.07	88.0	31.0	0.9	5.4	0.1
3	53.05	78.9	35.5	5.9	2.3	0.0
4*	75.22	83.4	24.4	0.1	9.2	0.3
5	93.41	87.7	20.7	0.2	11.2	0.2
6	63.96	88.6	31.9	11.4	1.8	0.2
7	59.71	82.0	30.1	49.6	10.4	2.0
8	74.35	92.2	24.2	0.7	2.9	0.0
9	89.26	86.4	26.3	8.0	17.7	0.8
10						
11	81.02	92.7	24.4	12.3	14.3	0.5
12	80.12	92.6	21.2	50.6	10.3	0.0
Average	70.59	87.4	27.7	12.9	8.2	0.4

* Field sprayed for corn borer control.

The average yield for the district 5 field at Clarion was 93.41 bushels per acre. This was the highest average yield in 1951. Three fields averaged slightly higher than 92 percent stand. These were at Slater, Creston and Danville. Root lodging was serious at Mapleton and Danville, with approximately 50 percent at each location. There was considerable corn root-worm damage at Danville. Stalk lodging wasn't serious in 1951, although an average of 17.7 percent of the plants were broken at Durant. The 1951 corn borer population was low, probably due largely to the weather. Stalk lodging and dropped ears are influenced by corn borer damage. The average percent of dropped ears in 1951 was the lowest since 1944. This probably is associated with the lack of maturity.

What About Corn Leaf Blight?⁴

The leaf disease which gives corn the appearance of having been frosted before there's been freezing weather reduced the

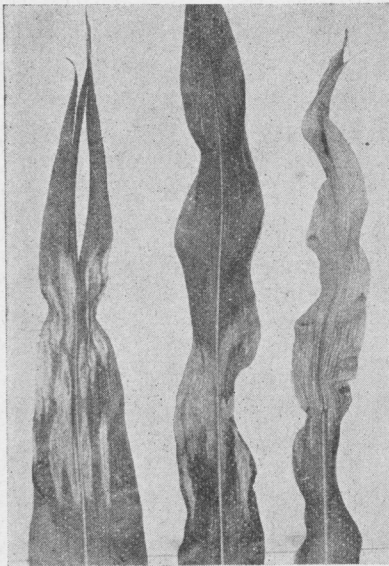


Fig. 4. The leaves above show *Helminthosporium* infection. The center and left leaves may die and dry up like the one at the right.

yields in some parts of Iowa in 1951. All of the state had this leaf blight, but it was very light in northern Iowa and was most severe in southeastern, southwestern and central Iowa. In 1949 it showed up only in southern Iowa. In 1950 it had spread to all of Iowa, but wasn't as damaging as in 1951.

This disease isn't a new one—it's been known in Iowa since 1922 and in the United States for a good many years. It has been mostly a corn disease of the South, but in the last 10 years it's been severe in parts of Illinois, Indiana, Ohio, Tennessee and Pennsylvania. In Iowa the

⁴ The readings on *Helminthosporium turcicum* were made by and the information for this portion of the bulletin were furnished by Dr. George Semeniuk of the Botany and Plant Pathology Department.

disease seems to be favored by cool wet years such as 1950 and 1951, and probably because these years had particularly heavy dews. It's most often found in low-lying fields. Whether or not leaf blight will be severe in 1952 depends much on the weather; if it's warm and dry, we may have little injury; if it's cool and wet again, we may have considerable damage.

We know this disease spreads by spores. These tiny "fruits" of this fungus disease are blown by the wind from one leaf to another and from one field to another. As far as we know, it isn't carried by the seed. Just where the first spores come from early in the season isn't certain. They may come from corn leaves of the crop the year before, from grasses, or from adjoining states. The disease isn't the same as the *Helminthosporium victoriae* blight that damages oats. The organism that causes damage to corn is called *Helminthosporium turcicum*. The little spores produce oval-shaped spots on the leaves that enlarge until the leaves are destroyed. Figure 4 shows leaves infected with the disease. This early killing of the leaves cuts ear size and results in chaffy ears.

The disease can be controlled by spraying, but this is usually not practical. The best solution lies in breeding hybrids that are resistant. Hybrids of this kind are coming, but it will be a few years before they are ready. However, we have found that the present hybrids differ some in resistance. We checked this on one of our fields. You will find the results in the last column of table 22 which is for the field at Danville, district 12, southeastern Iowa.

We took readings in mid-September when the corn leaves in surrounding fields were drying and turning straw-colored from severe leaf blight. Each figure is the average of six replications for each hybrid. The scale we used in rating was 0 to 5. Zero was for no disease; 0.5, an average of 10 percent of the leaf area infected; 1, an average of 20 percent; 2, an average of 40 percent; 3, an average of 60 percent; 4, an average of 80 percent; and 5 indicated 95 percent or more of the leaf affected. The average reading for the 64 hybrids in this field was 3.9. This meant an average of about 75 percent of the leaf had been affected.

Here are some things to keep in mind when you look at this table.

1. Not one of the hybrids was completely resistant to the

blight. The readings ranged from a low of 2.3 to a high of 4.8. The most resistant hybrid had 45 percent of the leaf area affected.

2. Hybrids with the highest readings generally showed the least moisture when the corn was harvested. This may be because the most susceptible ones were killed first and were therefore drier, or the earlier hybrids may have been hit harder.

3. The date the observations were made may have influenced the relative placing of a hybrid. If the readings had been made either earlier or later, it might have changed the rank of any one hybrid.

4. The readings probably were influenced by tolerance or resistance of the hybrid to other diseases or insects.

Widely Grown Hybrids—How Did They Rank?

Ten widely grown hybrids have been entered in each section by the Iowa Corn and Small Grain Growers' Association each year since 1944. These hybrids are selected each year by a survey questionnaire⁵ sent to many Iowa farmers. In 1950 approximately 12,500 Iowa farmers were asked to list the hybrids they planted and the number of acres planted to each. About 1.7 percent of the Iowa corn acreage was reported and from this list 10 hybrids were selected for each section to be planted in the 1951 Iowa Corn Yield Test. You will find the widely grown hybrids indicated in the tables by an asterisk (*) in the column headed "Bushels available for planting in 1951."

Thirteen of the 40 widely grown hybrids tested (10 in each section) ranked above average in performance score. These hybrids are:

NORTHERN SECTION

DeKalb 406
Pioneer 352
Pioneer 349
Crow 407
DeKalb 241

NORTH CENTRAL SECTION

Pioneer 349
Pioneer 352
DeKalb 406
Iowa Hybrid 4249

SOUTH CENTRAL SECTION

Ohio Hybrid C92
Pioneer 350B

SOUTHERN SECTION

Ohio Hybrid C92
Funk G-94

⁵ The survey was conducted in cooperation with the Iowa Crop and Livestock Reporting Service, Des Moines, Iowa.

Of the widely grown hybrids DeKalb 406 ranked among the top 10 in the northern section, and Pioneer 349 and 352 among the top 10 in the north central section.

Twenty of the 40 widely grown entries ranked above average in yield.

Out of the original list of 40 widely grown hybrids in 1944, only 7 were widely grown in 1951. This indicates the rapid change in the development of the new corn hybrids and changes in farmers' preference for these hybrids.

TABLE 4. NORTHERN SECTION PERIOD-OF-YEARS

Average records of section entries in the 1951 Iowa Corn Yield Test and previous years. These entries include only those entered by the same individual, under the same identification name or number, and with the same pedigree.

Hybrid	Name and address of entrant	Bushels available for plant- ing in 1951	Perform- ance score	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root stalk	Ear ht.	Drop'd ears pct.
2-YEAR AVERAGE—1950, 1951									
Pioneer 349	Garst & Thomas Hybrid Corn Co., Coon Rapids	17,775	104.97	59.74	86.5	26.2	1.7	6.9	2.9
Pioneer 349	Pioneer Hi-Bred Corn Co., Des Moines	73,100	104.95	59.72	86.9	28.2	0.5	5.5	2.9
Pioneer 352	Pioneer Hi-Bred Corn Co., Des Moines	58,300	104.35	59.35	85.6	28.9	3.4	2.8	2.9
Pioneer 349	Iowa Corn & Small Grain Growers Assn., Ames	*	104.32	59.66	85.6	27.1	3.1	6.2	3.0
U32A	United Hybrid Growers Assn., Shenandoah	6,000	103.89	58.15	88.4	28.0	2.3	3.0	3.0
Pioneer 352	Iowa Corn & Small Grain Growers Assn., Ames	*	103.53	58.46	87.0	28.9	1.8	4.3	3.0
Tomahawk 42	Thompson Hybrid Corn Co., Inc., Belmond	5,052	103.44	59.19	84.6	29.6	1.6	5.9	3.2
Iowa Hybrid 4441	Iowa Crop Improvement Assn., Ames	Comp.	103.22	56.72	86.3	24.8	2.1	4.5	3.1
96M	W. O. McCurdy & Sons, Fremont	2,000	103.13	55.97	84.1	26.4	0.3	3.4	3.0
C217	Clarke Hybrid Corn Co., Conrad	2,904	102.42	58.51	85.5	29.6	1.7	7.0	3.1
DeKalb 406	Iowa Corn & Small Grain Growers Assn., Ames	*	102.27	57.36	87.3	28.5	2.3	5.1	3.1
214-B	Holden Hybrid Seed Farms, Tipton	1,500	102.01	58.31	87.6	31.4	1.2	5.8	2.9
Cornhusker 83	Cornhusker Hybrid Co., Fremont, Nebr.	5,800	101.79	57.68	87.8	30.8	3.8	2.9	3.0
Turner T27	Turner Hybrid Seed Corn Co., Grand Junction	1,100	101.61	56.11	87.1	26.2	2.9	6.0	2.9
Pioneer 344	Pioneer Hi-Bred Corn Co., Des Moines	12,180	101.14	58.18	87.0	30.8	4.1	6.0	3.2
W-77	Wilson Hybrids, Inc., Harlan	500	100.90	55.07	87.1	23.8	3.6	7.5	2.9
DeKalb 241	Iowa Corn & Small Grain Growers Assn., Ames	*	100.51	54.25	88.1	25.7	2.2	5.4	3.1
C-8	Carlson Hybrid Corn Co., Audubon	4,029	100.17	57.00	86.0	29.8	4.6	6.7	3.1
U39	United Hybrid Growers Assn., Shenandoah	3,000	99.92	54.33	86.8	27.9	2.8	4.1	2.9
J-10	Jacobsen Hybrid Corn Co., Lake View	600	99.66	54.21	87.8	26.8	2.8	5.9	2.9
PAG 270	Wilson-Rininger Corn Co., Sac City	1,800	99.66	56.20	86.3	30.5	3.1	6.4	3.2
C15	Clarke Hybrid Corn Co., Conrad	172	99.60	54.67	84.2	29.9	1.1	5.1	3.3
Heim 650C	Heim Hybrid Seed Corn Co., Lake City	55	99.23	53.30	86.4	29.0	1.1	3.8	2.8
PAG 282	North Corn Belt Seed Growers, Naperville, Ill.	600	99.22	54.97	83.2	28.2	2.7	7.7	3.0
Funk G-114	Funk Bros. Seed Co., Belle Plaine	6,984	99.18	54.20	84.8	29.5	2.9	4.0	2.9
95M	W. O. McCurdy & Sons, Fremont	5,000	99.14	53.79	85.7	25.6	2.7	8.1	2.9
111M	W. O. McCurdy & Sons, Fremont	1,500	98.63	53.11	85.5	28.6	1.9	4.6	3.0
Funk G-1A	Funk Bros. Seed Co., Belle Plaine	15,412	98.57	51.32	85.7	24.4	1.4	6.0	2.7
C-7	Carlson Hybrid Corn Co., Audubon	1,000	98.54	53.71	83.9	28.4	1.8	6.9	3.1
W-145	Wilson Hybrids, Inc., Harlan	8,000	98.44	54.28	80.7	29.4	3.5	5.9	3.0
Farmers 223	Farmers Hybrid Seed Corn Co., Hampton	3,700	98.00	53.59	81.7	24.8	3.4	11.4	2.5
Maygold 99A	Earl E. May Seed Co., Shenandoah	7,200	97.97	55.34	86.8	29.6	6.9	6.5	3.1
U36	United Hybrid Growers Assn., Shenandoah	7,000	97.38	52.54	84.9	29.5	2.6	4.9	2.9
DeKalb 404A	Iowa Corn & Small Grain Growers Assn., Ames	*	97.32	53.26	82.2	29.7	3.3	5.9	3.1
Cornhusker 85	Cornhusker Hybrid Co., Fremont, Nebr.	9,940	97.01	52.54	82.8	32.4	2.4	2.9	3.1
DeKalb 410	Iowa Corn & Small Grain Growers Assn., Ames	*	96.97	53.50	86.2	28.8	3.8	8.5	3.0
PAG 253	Priester Associated Growers, Inc., Monroe	2,500	96.87	52.51	83.1	29.3	4.3	5.3	3.0
Comp.	Crop Improvement Assn., Ames	Comp.	96.47	51.23	81.3	23.4	3.8	11.0	2.9
PAG 299	J. M. Hunt & Son, Ackley	7,500	95.88	52.53	85.6	31.4	2.0	7.9	3.1
Exp. W-H	J. M. Hunt & Son, Ackley	500	94.87	49.84	83.6	25.5	7.0	5.9	2.9

DeKalb 410	Iowa Corn & Small Grain Growers Assn., Ames	*	96.97	53.50	86.2	28.8	3.8	8.5	3.0	0.8
PAG 253	Pfister Associated Growers, Inc., Monroe	2,500	96.87	52.51	83.1	29.3	4.3	5.3	3.0	0.0
Iowa Hybrid 4417	Iowa Crop Improvement Assn., Ames	Comp.	96.47	51.23	81.3	23.4	3.8	11.0	2.9	0.0
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PAG 299	J. M. Hunt & Son, Ackley	500	94.87	49.84	83.6	25.5	2.0	7.9	3.1	0.2
Exp. W-H	J. M. Hunt & Son, Ackley	500	94.87	49.84	83.6	25.5	7.0	5.9	2.9	0.6
45-H	Holden Hybrid Seed Farms, Tipton	1,200	92.87	48.99	82.9	32.7	4.2	3.5	3.2	0.1
	Average of all entries			55.21	85.4	28.3	2.8	5.8	3.0	0.4
3-YEAR AVERAGE—1949, 1950, 1951										
Pioneer 349	Pioneer Hi-Bred Corn Co., Des Moines	73,100	105.21	71.21	88.5	24.6	2.3	15.8	2.9	3.0
Pioneer 352	Pioneer Hi-Bred Corn Co., Des Moines	58,300	105.18	69.53	86.8	25.3	2.7	11.2	2.9	3.4
Pioneer 349	Garst & Thomas Hybrid Corn Co., Coon Rapids	17,775	104.58	70.75	87.5	23.4	3.0	16.9	2.9	3.5
U32A	United Hybrid Growers Assn., Shenandoah	6,000	104.55	69.04	89.2	24.8	2.2	13.2	2.9	2.7
Cornhusker 83	Cornhusker Hybrid Co., Fremont, Nebr.	5,800	101.58	67.70	88.3	27.3	3.9	14.0	3.0	2.7
214-B	Holden Hybrid Seed Farms, Tipton	1,500	101.48	67.38	86.3	27.6	2.2	15.1	2.8	2.5
Tomahawk 42	Thompson Hybrid Corn Co., Inc., Belmont	5,052	101.41	68.59	85.8	26.0	2.3	19.3	3.1	2.5
Turner T27	Turner Hybrid Seed Corn Co., Grand Junction	1,100	100.86	66.27	87.8	23.4	2.0	19.2	2.9	2.4
C217	Clarke Hybrid Corn Co., Conrad	2,904	100.60	68.82	86.8	26.2	2.1	21.7	3.0	3.0
PAG 299	J. M. Hunt & Son, Ackley	7,500	99.89	65.84	87.6	27.4	2.0	16.8	3.0	2.1
W-77	Wilson Hybrids, Inc., Harlan	500	99.65	65.01	87.5	21.8	3.7	19.7	2.8	2.8
C-8	Carlson Hybrid Corn Co., Audubon	4,029	99.61	67.71	87.4	26.1	3.5	20.9	3.1	2.7
111M	W. O. McCurdy & Sons, Fremont	1,500	99.50	64.16	86.5	25.0	1.7	17.3	2.9	2.1
U36	United Hybrid Growers Assn., Shenandoah	7,000	99.48	63.43	85.7	25.7	2.5	14.1	2.9	2.7
DeKalb 241	Iowa Corn & Small Grain Growers Assn., Ames	*	98.88	64.80	89.3	23.2	3.1	20.1	3.1	3.6
W-145	Wilson Hybrids, Inc., Harlan	8,000	97.59	64.02	82.9	25.9	3.3	18.8	3.0	3.8
Maygold 99A	Earl E. May Seed Co., Shenandoah	7,200	97.57	64.86	86.5	26.1	5.9	17.6	3.0	4.1
DeKalb 410	Iowa Corn & Small Grain Growers Assn., Ames	*	97.33	64.71	86.7	24.9	3.9	21.7	3.0	2.9
DeKalb 404A	Iowa Corn & Small Grain Growers Assn., Ames	*	97.20	63.68	84.4	25.9	3.4	18.4	3.1	5.4
PAG 253	Pfister Associated Growers, Inc., Monroe	2,500	96.38	62.38	84.1	25.9	3.7	18.9	3.0	2.4
Funk G-1A	Funk Bros. Seed Co., Belle Plaine	15,412	96.23	59.95	86.3	21.6	1.1	21.8	2.6	1.8
Exp. W-H	J. M. Hunt & Son, Ackley	500	95.24	59.39	84.6	22.9	6.9	15.3	2.9	3.8
	Average of all entries			65.87	86.7	25.0	3.1	17.6	2.9	3.0
4-YEAR AVERAGE—1948, 1949, 1950, 1951										
Pioneer 349	Pioneer Hi-Bred Corn Co., Des Moines	73,100	105.31	71.76	87.2	23.4	4.2	12.6	2.9	2.6
Pioneer 352	Pioneer Hi-Bred Corn Co., Des Moines	58,300	104.95	70.22	85.7	24.1	4.7	9.2	2.9	2.7
U32A	United Hybrid Growers Assn., Shenandoah	6,000	102.91	68.52	86.8	23.6	5.6	11.0	2.9	2.3
Tomahawk 42	Thompson Hybrid Corn Co., Inc., Belmont	5,052	101.92	68.86	85.8	24.4	3.3	15.8	3.1	2.3
C217	Clarke Hybrid Corn Co., Conrad	2,904	100.90	68.79	86.2	24.3	3.7	18.0	3.0	2.5
PAG 299	J. M. Hunt & Son, Ackley	7,500	99.75	66.26	85.8	25.8	4.5	13.9	3.0	1.8
214-B	Holden Hybrid Seed Farms, Tipton	1,500	99.61	66.21	84.8	26.3	5.7	12.4	2.7	1.9
DeKalb 241	Iowa Corn & Small Grain Growers Assn., Ames	*	99.10	64.95	88.3	22.0	4.8	16.2	3.1	3.0
111M	W. O. McCurdy & Sons, Fremont	1,500	98.88	63.88	83.3	24.2	4.0	13.7	2.9	1.6
W-77	Wilson Hybrids, Inc., Harlan	500	98.50	64.88	86.6	21.1	7.5	16.2	2.8	2.3
W-145	Wilson Hybrids, Inc., Harlan	8,000	98.42	65.46	82.7	24.2	5.4	16.1	2.9	3.1
DeKalb 410	Iowa Corn & Small Grain Growers Assn., Ames	*	97.74	65.88	84.8	23.4	7.2	18.1	2.9	2.4
DeKalb 404A	Iowa Corn & Small Grain Growers Assn., Ames	*	97.15	63.31	82.8	24.3	4.6	15.3	3.0	4.4
Funk G-1A	Funk Bros. Seed Co., Belle Plaine	15,412	94.87	59.14	83.6	20.4	4.5	18.4	2.5	1.5
	Average of all entries			66.29	85.3	23.7	5.0	14.8	2.9	2.5

* Widely grown hybrids as determined by a survey of farmers.

TABLE 5. NORTH CENTRAL SECTION PERIOD-OF-YEARS

Average records of section entries in the 1951 Iowa Corn Yield Test and previous years. These entries include only those entered by the same individual, under the same identification name or number, and with the same pedigree.

Hybrid	Name and address of entrant	Bushels available for plant- ing in 1951	Perform- ance score	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root stalk		Ear ht.	Drop'd ears pct.
2-YEAR AVERAGE—1950, 1951										
Pioneer 352 -----	Garst & Thomas Hybrid Corn Co., Coon Rapids	40,165	106.46	80.62	89.5	21.1	6.7	4.1	2.6	0.2
Pioneer 347 -----	Pioneer Hi-Bred Corn Co., Des Moines	8,400	105.23	81.48	89.7	20.4	7.7	8.8	2.8	0.1
Pioneer 337 -----	Pioneer Hi-Bred Corn Co., Des Moines	14,300	104.49	80.18	87.0	21.5	9.8	5.0	3.0	0.6
Cornelius C43 -----	Cornelius Hybrid Corn Co., Bellevue	225	103.27	76.99	87.8	21.7	8.9	3.4	2.5	0.2
DeKalb 406 -----	Iowa Corn & Small Grain Growers Assn., Ames	*	103.00	78.00	88.8	22.0	10.2	4.2	2.9	0.6
Iowa Hybrid 4376 --	Iowa Crop Improvement Assn., Ames	10 lb.	102.76	78.16	86.6	22.3	11.8	3.3	3.0	0.4
Iowa Hybrid 4397 --	Iowa Crop Improvement Assn., Ames	Comp.	102.45	75.71	86.2	22.0	8.2	3.6	2.7	0.5
Maygold 69 -----	Earl E. May Seed Co., Shenandoah	2,700	102.31	77.10	86.3	22.3	10.1	4.4	3.1	0.2
Pioneer 344 -----	Iowa Corn & Small Grain Growers Assn., Ames	*	102.23	79.73	88.0	22.2	8.7	10.8	3.2	0.4
Bear OK-31 -----	Bear Hybrids Corn Co., Decatur, Ill.	1,000	102.07	78.27	90.4	22.5	5.4	11.7	3.1	0.1
J-39-A -----	Jacobsen Hybrid Corn Co., Lake View	2,500	102.06	78.36	89.5	24.2	7.3	8.0	3.0	0.6
U471 -----	United Hybrid Growers Assn., Shenandoah	100	101.81	76.29	86.5	22.3	8.2	6.2	3.4	0.2
U41 -----	United Hybrid Growers Assn., Shenandoah	7,000	101.66	76.28	88.5	21.3	8.6	7.2	3.0	0.3
Iowa Hybrid 4470 --	Iowa Crop Improvement Assn., Ames	10 lb.	101.50	77.74	86.7	22.8	8.7	8.6	3.0	0.3
Maygold 89 -----	Earl E. May Seed Co., Shenandoah	7,100	101.44	75.25	84.7	21.3	9.8	4.8	2.6	0.2
600 -----	W. O. McCurdy & Sons, Fremont	1,500	101.29	75.48	85.7	22.0	9.8	4.9	2.6	0.1
Iowa Hybrid 4298 --	Iowa State Hybrid Corn Co., Elkhart	1,500	101.12	76.40	85.9	22.6	10.8	5.4	3.1	0.1
C257 -----	Clarke Hybrid Corn Co., Conrad	4,132	101.05	75.86	86.1	20.6	11.0	6.5	2.8	0.2
Iowa Hybrid 4450 --	Iowa State Hybrid Corn Co., Elkhart	1,300	100.99	77.12	87.7	21.7	14.0	4.8	3.0	0.2
W-245 -----	Wilson Hybrids, Inc., Harlan	2,000	100.86	76.05	85.9	23.3	11.5	3.9	2.8	0.5
Tomahawk 60 -----	Thompson Hybrid Corn Co., Inc., Belmond	3,766	100.68	74.43	85.5	20.2	9.5	6.9	2.8	0.1
DeKalb 404A -----	Iowa Corn & Small Grain Growers Assn., Ames	*	100.47	76.16	86.1	21.4	10.6	7.9	3.0	0.9
Iowa Hybrid 4297 --	O. W. Johnson & Son, LeGrand	4,500	100.36	75.57	87.8	22.2	12.6	4.6	3.2	0.1
Corn King 114 -----	Malcom H. Grieve, Pierson	700	99.92	79.29	88.3	22.4	16.8	8.1	3.0	0.2
Iowa Hybrid 4297 --	Iowa Corn & Small Grain Growers Assn., Ames	*	99.88	75.11	86.9	21.3	13.5	5.0	2.9	0.4
U42A -----	United Hybrid Growers Assn., Shenandoah	5,200	99.73	72.30	85.2	22.8	5.2	7.1	2.9	0.3
PAG 270 -----	Associated Pfister Growers, Inc., Davenport	5,000	99.66	76.48	88.5	21.4	12.8	8.7	3.2	0.4
C-12 -----	Carlson Hybrid Corn Co., Audubon	1,489	99.62	74.44	85.4	21.2	11.0	7.2	2.8	0.2

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Farmers 322 -----	Farmers Hybrid Seed Corn Co., Hampton -----	10,500	99.55	74.11	85.5	24.6	8.8	5.4	2.7	0.2
PAG 347 -----	Associated Pfister Growers, Inc., Davenport -----	2,000	99.47	75.10	88.5	22.6	9.7	8.5	3.1	0.5
Iowa Hybrid 4459 --	Agronomy (FC) & U.S.D.A., Ames -----	8 lb.	98.97	79.07	88.6	25.4	12.5	11.4	3.3	0.3
PAG 299 -----	Iowa Corn & Small Grain Growers Assn., Ames -----	*	98.97	75.82	88.8	22.5	11.1	10.0	2.9	0.2
Iowa Hybrid 4412 --	Iowa Crop Improvement Assn., Ames -----	Comp.	98.93	75.93	87.9	23.1	13.6	7.2	3.0	0.2
C258 -----	Clarke Hybrid Corn Co., Conrad -----	6,165	98.70	72.03	86.7	21.7	11.7	4.1	3.0	0.3
215-H -----	Holden Hybrid Seed Farms, Tipton -----	1,500	98.67	75.56	88.1	25.0	11.1	7.6	3.0	0.5
PAG 299 -----	Wilson-Rininger Corn Co., Sac City -----	11,000	98.46	75.90	84.5	22.3	12.4	10.4	3.1	0.4
PAG 366B -----	Black & Abbott Farms, Walnut, Ill. -----	1,035	98.31	76.16	86.4	23.0	9.8	13.2	2.9	0.2
Turner T48 -----	Turner Hybrid Seed Corn Co., Grand Junction -----	4,000	98.23	74.52	88.1	22.9	8.0	12.3	3.2	0.3
PAG 35-2965 -----	Wilson-Rininger Corn Co., Sac City -----	200	98.21	71.62	80.8	22.4	10.7	4.7	2.8	0.9
PAG 170 -----	Pfister Associated Growers, Inc., Monroe -----	18,000	97.56	75.71	87.0	23.2	14.4	9.6	3.3	0.3
U40 -----	United Hybrid Growers Assn., Shenandoah -----	7,000	97.49	71.99	83.7	22.3	11.5	6.9	2.8	0.3
Farmers 427A -----	Iowa Corn & Small Grain Growers Assn., Ames -----	*	96.57	75.82	85.7	23.2	16.7	10.1	3.1	0.5
Iowa Hybrid 306 --	Iowa Crop Improvement Assn., Ames -----	Comp.	96.14	73.39	83.8	23.4	13.9	9.4	3.2	0.7
PAG 253 -----	North Corn Belt Seed Growers, Naperville, Ill. -----	5,000	95.71	68.88	82.2	22.2	10.3	7.5	2.8	0.2
Heim 600C -----	Heim Hybrid Seed Corn Co., Lake City -----	60	94.87	63.19	80.5	21.7	7.6	2.7	2.7	0.2
Indiana Hybrid 608C	Iowa Crop Improvement Assn., Ames -----	Comp.	94.45	71.82	87.0	25.1	13.3	10.1	3.1	0.4
5220 -----	J. M. Hunt & Son, Ackley -----	55	92.39	68.44	81.7	20.9	12.0	15.4	2.9	0.3
Average of all entries -----				75.53	86.5	22.4	10.6	7.3	3.0	0.3
3-YEAR AVERAGE—1949, 1950, 1951										
Pioneer 352 -----	Garst & Thomas Hybrid Corn Co., Coon Rapids -----	40,165	107.42	76.19	86.1	18.9	5.4	7.8	2.7	3.7
Bear OK-31 -----	Bear Hybrids Corn Co., Decatur, Ill. -----	1,000	102.68	75.34	91.0	20.3	4.5	17.9	3.0	4.2
Iowa Hybrid 4397 --	Iowa Crop Improvement Assn., Ames -----	Comp.	102.51	70.83	85.8	19.7	7.7	7.4	2.6	4.4
600 -----	W. O. McCurdy & Sons, Fremont -----	1,500	102.02	71.37	84.8	19.7	8.1	10.0	2.6	2.6
Iowa Hybrid 4450 --	Iowa State Hybrid Corn Co., Elkhart -----	1,300	101.55	71.99	87.0	19.5	10.3	10.1	2.9	3.2
Iowa Hybrid 4298 --	Iowa State Hybrid Corn Co., Elkhart -----	1,500	101.34	71.83	85.0	20.2	8.2	11.9	3.0	2.9
Iowa Hybrid 4297 --	O. W. Johnson & Son, LeGrand -----	4,500	101.25	73.11	88.3	20.2	10.9	11.6	3.1	3.3
C-12 -----	Carlson Hybrid Corn Co., Audubon -----	1,489	101.23	71.15	85.5	18.8	9.3	10.7	2.8	4.1
W-245 -----	Wilson Hybrids, Inc., Harlan -----	2,000	101.11	71.25	84.2	20.7	8.7	10.1	2.8	3.7
J-39-A -----	Jacobsen Hybrid Corn Co., Lake View -----	2,500	101.03	73.84	88.4	21.6	7.2	15.6	3.0	3.9
Maygold 89 -----	Earl E. May Seed Co., Shenandoah -----	7,100	101.02	69.70	82.7	19.2	7.5	10.3	2.6	3.4
C257 -----	Clarke Hybrid Corn Co., Conrad -----	4,132	100.73	71.29	84.6	18.6	9.6	12.7	2.7	2.8
U41 -----	United Hybrid Growers Assn., Shenandoah -----	7,000	100.69	71.43	87.1	19.6	6.4	14.1	3.0	5.7
Maygold 69 -----	Earl E. May Seed Co., Shenandoah -----	2,700	100.61	71.51	84.9	19.9	7.7	13.8	3.0	3.4
PAG 366B -----	Black & Abbott Farms, Walnut, Ill. -----	1,035	99.59	73.68	86.0	20.4	8.7	18.8	2.9	3.7

* Widely grown hybrids as determined by a survey of farmers.

TABLE 5—(Continued)

Hybrid	Name and address of entrant	Bushels available for plant- ing in 1951	Perform- ance score	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct.		Ear ht.	Drop'd ears pct.
							root	stalk		
PAG 299	Wilson-Rininger Corn Co., Sac City	11,000	99.14	71.27	83.9	20.0	10.5	14.5	2.9	2.8
DeKalb 404A	Iowa Corn & Small Grain Growers Assn., Ames	*	98.85	71.58	86.5	19.3	10.8	15.4	3.0	4.8
U40	United Hybrid Growers Assn., Shenandoah	7,000	98.79	69.71	84.4	19.9	10.6	12.7	2.8	2.5
Iowa Hybrid 4412	Iowa Crop Improvement Assn., Ames	Comp.	98.09	69.87	84.9	20.8	11.8	12.8	3.0	2.3
C258	Clarke Hybrid Corn Co., Conrad	6,165	97.98	66.93	84.9	19.6	11.5	8.7	2.9	3.5
PAG 35-2965	Wilson-Rininger Corn Co., Sac City	200	97.94	67.25	80.1	20.5	9.3	9.5	2.9	6.5
PAG 270	Associated Pfister Growers, Inc., Davenport	5,000	97.68	70.96	87.3	19.5	11.2	16.2	3.1	6.1
Turner T48	Turner Hybrid Seed Corn Co., Grand Junction	4,000	96.91	70.16	85.7	20.5	8.9	19.7	3.1	2.1
PAG 253	North Corn Belt Seed Growers, Naperville, Ill.	5,000	95.91	65.93	82.2	19.8	9.2	14.6	2.7	2.9
Indiana Hybrid 608C	Iowa Crop Improvement Assn., Ames	Comp.	93.96	67.93	86.3	22.2	11.2	18.3	3.0	4.6
Average of all entries				71.04	85.5	20.0	9.0	13.0	2.9	3.7
4-YEAR AVERAGE—1948, 1949, 1950, 1951										
Bear OK-31	Bear Hybrids Corn Co., Decatur, Ill.	1,000	103.51	83.31	90.4	19.3	3.9	14.8	3.1	3.3
Iowa Hybrid 4397	Iowa Crop Improvement Assn., Ames	Comp.	101.99	77.59	85.3	19.0	7.0	6.1	2.7	3.5
J-39-A	Jacobsen Hybrid Corn Co., Lake View	2,500	101.81	81.07	87.6	20.7	5.8	12.3	3.0	3.1
W-245	Wilson Hybrids, Inc., Harlan	2,000	101.72	79.17	84.9	20.0	7.2	8.4	2.9	3.4
Iowa Hybrid 4297	O. W. Johnson & Son, LeGrand	4,500	101.63	79.86	87.1	19.5	8.7	9.2	3.2	2.6
C258	Clarke Hybrid Corn Co., Conrad	6,165	100.96	77.86	85.8	18.6	8.9	7.9	3.1	3.4
U41	United Hybrid Growers Assn., Shenandoah	7,000	100.76	78.40	86.4	19.0	5.6	11.7	3.1	4.8
Maygold 89	Earl E. May Seed Co., Shenandoah	7,100	100.37	75.95	83.0	18.7	6.6	8.6	2.7	2.9
PAG 366B	Black & Abbott Farms, Walnut, Ill.	1,035	99.97	80.66	86.1	19.6	8.0	15.4	2.9	3.3
PAG 270	Associated Pfister Growers, Inc., Davenport	5,000	98.77	78.22	86.2	18.7	9.4	13.2	3.2	5.0
DeKalb 404A	Iowa Corn & Small Grain Growers Assn., Ames	*	98.31	76.07	84.8	18.3	9.0	12.0	3.0	3.8
PAG 35-2965	Wilson-Rininger Corn Co., Sac City	200	97.72	73.49	80.8	19.8	7.9	8.0	2.9	5.5
PAG 253	North Corn Belt Seed Growers, Naperville, Ill.	5,000	97.42	73.73	82.8	18.8	8.0	11.5	2.8	2.3
Indiana Hybrid 608C	Iowa Crop Improvement Assn., Ames	Comp.	95.09	75.24	84.5	21.2	10.5	14.7	3.1	4.2
Average of all entries				77.90	85.4	19.4	7.6	11.0	3.0	3.7

* Widely grown hybrids as determined by a survey of farmers.

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TABLE 6. SOUTH CENTRAL SECTION PERIOD-OF-YEARS

Average records of section entries in the 1951 Iowa Corn Yield Test and previous years. These entries include only those entered by the same individual, under the same identification name or number, and with the same pedigree.

Hybrid	Name and address of entrant	Bushels available for plant- ing in 1951	Perform- ance score	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root	stalk	Ear ht.	Drop'd ears pct.
2-YEAR AVERAGE—1950, 1951										
AES 801 (Ia. 4527) ---	Agronomy (FC) & U.S.D.A., Ames -----	14 lb.	105.60	78.38	85.4	25.4	3.2	3.2	3.0	0.3
Cornelius C66 ---	Cornelius Hybrid Corn Co., Bellevue -----	100	103.94	79.68	86.6	21.2	9.2	8.4	3.1	0.4
Pioneer X6035 ---	Pioneer Hi-Bred Corn Co., Des Moines -----	55	103.94	81.78	86.3	22.9	13.5	6.0	3.0	0.6
Cornhusker 75 ---	Cornhusker Hybrid Co., Fremont, Nebr. -----	13,500	103.27	79.45	86.6	22.5	10.0	7.5	3.2	0.7
Iowa Hybrid 4517 ---	Agronomy (FC) & U.S.D.A., Ames -----	10 lb.	103.07	78.46	82.6	24.5	8.5	5.5	3.2	1.1
Iowa Hybrid 4531 ---	Agronomy (FC) & U.S.D.A., Ames -----	6 lb.	102.98	78.42	85.3	24.5	6.2	7.9	3.5	1.3
PAG 392 ---	Pfister Associated Growers, Inc., Monroe -----	6,000	102.63	78.69	87.0	21.4	9.5	9.3	3.3	1.3
Ohio Hybrid C92 ---	Iowa Corn & Small Grain Growers Assn., Ames -----	*	102.52	76.91	85.0	22.5	9.5	5.6	3.5	0.4
117M ---	W. O. McCurdy & Sons, Fremont -----	1,100	102.52	77.64	86.2	22.7	6.9	9.1	3.4	0.9
987M ---	W. O. McCurdy & Sons, Fremont -----	2,000	101.85	76.74	86.7	23.0	8.7	7.3	3.5	0.6
Ohio Hybrid C92 ---	Iowa State Hybrid Corn Co., Elkhart -----	500	101.25	77.69	87.1	22.6	13.0	6.8	3.6	0.5
Iowa Hybrid 4525 ---	Agronomy (FC) & U.S.D.A., Ames -----	7 lb.	101.22	80.33	84.1	24.4	14.7	8.1	3.2	0.3
W-205A ---	Wilson Hybrids, Inc., Harlan -----	3,000	101.20	77.68	87.0	23.0	12.1	7.2	3.1	1.0
U52 ---	United Hybrid Growers Assn., Shenandoah -----	6,000	100.99	76.52	87.2	21.8	10.2	9.0	3.2	0.6
Pioneer 300 ---	Pioneer Hi-Bred Corn Co., Des Moines -----	5,700	100.96	80.28	87.4	24.7	9.7	13.4	3.7	0.3
77-H ---	Holden Hybrid Seed Farms, Tipton -----	1,500	100.86	78.25	87.9	22.8	11.2	10.2	3.5	1.1
Iowa Hybrid 4298 ---	Iowa Crop Improvement Assn., Ames -----	Comp.	100.67	76.94	84.5	22.5	11.5	8.5	3.1	0.8
Maygold 59 ---	Earl E. May Seed Co., Shenandoah -----	3,000	100.61	75.82	85.4	22.6	8.4	9.7	3.5	0.7
Pioneer 335 ---	Iowa Corn & Small Grain Growers Assn., Ames -----	*	100.53	80.81	85.6	23.1	19.3	7.4	3.2	0.8
Ohio Hybrid C92 ---	J. H. Isenhardt, Batavia -----	1,900	100.31	75.47	86.6	23.1	11.1	6.7	3.4	0.6
825 ---	W. O. McCurdy & Sons, Fremont -----	600	100.31	72.85	83.2	23.6	5.3	7.2	3.4	0.8
Pioneer 339 ---	Iowa Corn & Small Grain Growers Assn., Ames -----	*	100.20	75.06	83.7	22.4	9.1	8.6	3.2	1.6
Funk G-37 ---	Funk Bros. Seed Co., Belle Plaine -----	7,579	100.14	72.66	83.3	23.0	4.8	8.3	3.6	1.2
C-22 ---	Carlson Hybrid Corn Co., Audubon -----	1,500	99.99	76.31	84.6	23.3	9.2	10.6	3.3	1.0
Pioneer 335 ---	Pioneer Hi-Bred Corn Co., Des Moines -----	38,700	99.98	80.15	84.0	23.7	19.7	6.7	3.2	0.7
H-3 ---	Holden Foundation Hybrids, Williamsburg -----	60	99.97	72.88	80.1	22.5	8.1	6.6	3.5	0.6
C277 ---	Clarke Hybrid Corn Co., Conrad -----	1,738	99.96	75.05	85.8	21.3	6.1	13.3	3.2	1.8
Farmers 555 ---	Farmers Hybrid Seed Corn Co., Hampton -----	1,800	99.81	74.47	84.5	23.4	8.5	8.3	3.3	1.2
W-310 ---	Wilson Hybrids, Inc., Harlan -----	1,000	99.75	74.98	83.6	22.8	9.7	8.8	3.1	1.2
Turner S57 ---	Turner Hybrid Seed Corn Co., Grand Junction -----	4,000	99.64	74.17	82.4	23.7	7.5	9.0	3.6	1.0

* Widely grown hybrids as determined by a survey of farmers.

TABLE 6—(Continued)

Hybrid	Name and address of entrant	Bushels available for plant- ing in 1951	Perform- ance score	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root stalk		Ear ht.	Drop'd ears pct.
DeKalb 627 -----	Iowa Corn & Small Grain Growers Assn., Ames	*	98.69	77.00	85.0	21.5	17.9	8.8	2.8	0.4
57-H -----	Holden Hybrid Seed Farms, Tipton	800	98.59	71.14	83.5	24.7	7.2	5.2	3.1	2.1
Pioneer 340 -----	Iowa Corn & Small Grain Growers Assn., Ames	*	98.56	73.02	82.4	21.5	8.7	11.0	3.0	0.9
C320 -----	Clarke Hybrid Corn Co., Conrad	1,174	98.52	72.75	84.3	21.8	7.9	11.0	3.3	1.2
U50 -----	United Hybrid Growers Assn., Shenandoah	1,500	98.20	69.89	80.2	20.6	9.9	6.3	3.2	0.5
PAG 170 -----	Associated Pfister Growers, Inc., Davenport	2,000	98.16	76.58	85.6	23.1	14.8	10.8	3.3	0.6
Maygold 49 -----	Earl E. May Seed Co., Shenandoah	12,600	97.88	72.04	79.8	23.8	7.2	10.1	3.4	1.1
Crow Deep Root -----	Crow Hybrid Corn Co., Nevada	15,000	97.56	68.65	80.4	20.6	11.4	4.3	2.9	0.5
PAG 281 -----	J. M. Hunt & Son, Ackley	300	97.31	74.63	85.6	22.5	11.9	13.1	3.3	0.7
Funk G-54 -----	Funk Bros. Seed Co., Belle Plaine	2,522	97.21	71.23	81.1	24.4	11.2	6.2	3.2	0.2
PAG 347 -----	Pfister Associated Growers, Inc., Monroe	12,000	97.15	70.39	80.4	21.2	11.4	7.9	3.0	0.5
U49 -----	United Hybrid Growers Assn., Shenandoah	6,700	97.11	71.11	82.3	23.6	9.6	8.6	3.5	0.4
Iowa Hybrid 4297 -----	Iowa Corn & Small Grain Growers Assn., Ames	*	96.14	71.41	80.5	21.3	16.4	7.3	2.9	0.6
Farmers 488 -----	Iowa Corn & Small Grain Growers Assn., Ames	*	95.09	70.92	81.7	24.3	13.7	8.4	3.2	1.6
Farmers 509 -----	Farmers Hybrid Seed Corn Co., Hampton	1,800	93.17	72.53	81.9	24.9	15.6	14.2	3.6	1.0
Average of all entries -----				75.51	84.2	22.9	10.4	8.4	3.3	0.8
3-YEAR AVERAGE—1949, 1950, 1951										
AES 801 (Ia. 4527) -----	Agronomy (FC) & U.S.D.A., Ames	14 lb.	106.31	81.27	86.0	23.0	4.1	9.5	3.0	3.0
Iowa Hybrid 4531 -----	Agronomy (FC) & U.S.D.A., Ames	6 lb.	104.31	81.78	86.7	22.3	5.3	14.1	3.4	4.9
Cornelius C66 -----	Cornelius Hybrid Corn Co., Bellevue	100	103.45	79.94	85.5	19.6	7.5	14.5	3.1	2.7
987M -----	W. O. McCurdy & Sons, Fremont	2,000	102.11	78.40	85.4	21.2	7.5	13.8	3.4	2.8
PAG 392 -----	Pfister Associated Growers, Inc., Monroe	6,000	102.01	80.49	86.6	19.9	7.3	17.8	3.3	5.6
117M -----	W. O. McCurdy & Sons, Fremont	1,100	101.61	78.19	84.5	20.8	5.3	17.1	3.4	3.3
Crow Deep Root -----	Crow Hybrid Corn Co., Nevada	15,000	101.55	73.90	82.7	19.5	9.0	8.2	2.9	2.2
Ohio Hybrid C92 -----	Iowa State Hybrid Corn Co., Elkhart	500	101.42	79.59	85.9	20.8	10.9	14.2	3.5	3.5
77-H -----	Holden Hybrid Seed Farms, Tipton	1,500	101.09	79.05	86.3	20.9	8.8	16.2	3.3	3.3
H-3 -----	Holden Foundation Hybrids, Williamsburg	60	101.05	76.75	82.0	20.7	6.1	15.6	3.5	2.9
Iowa Hybrid 4298 -----	Iowa Crop Improvement Assn., Ames	Comp.	100.91	78.60	83.7	20.4	10.0	15.3	3.0	3.1
Pioneer 339 -----	Iowa Corn & Small Grain Growers Assn., Ames	*	100.83	76.90	86.2	20.4	7.2	15.2	3.1	3.9
Ohio Hybrid C92 -----	J. H. Isenhardt, Batavia	1,900	100.62	77.20	86.1	21.0	9.4	13.6	3.4	3.5
W-310 -----	Wilson Hybrids, Inc., Harlan	1,000	100.30	78.17	84.7	20.9	7.7	17.6	3.1	4.0
U52 -----	United Hybrid Growers Assn., Shenandoah	6,000	100.28	75.53	84.1	20.7	7.8	13.5	3.1	3.8
Funk G-37 -----	Funk Bros. Seed Co., Belle Plaine	7,579	100.17	75.40	84.5	20.9	3.8	17.4	3.5	3.7
Pioneer 335 -----	Pioneer Hi-Bred Corn Co., Des Moines	38,700	99.93	80.18	82.4	21.5	16.5	13.0	3.1	2.6
Turner S57 -----	Turner Hybrid Seed Corn Co., Grand Junction	4,000	99.87	76.82	83.1	21.5	6.6	17.0	3.5	4.0
W-310/A -----	Wilson Hybrids, Inc., Harlan	3,000	99.78	78.24	86.4	21.3	10.7	15.3	3.1	4.8
U52 -----	W. O. McCurdy & Sons, Fremont	600	99.55	74.64	83.1	21.5	4.5	15.9	3.4	5.1
Pioneer 335 -----	Iowa Corn & Small Grain Growers Assn., Ames	*	99.46	80.51	84.4	21.2	16.9	14.3	3.1	3.4
C277 -----	Clarke Hybrid Corn Co., Conrad	1,738	99.17	75.73	85.5	19.9	4.9	19.6	3.2	5.5
Maygold 59 -----	Earl E. May Seed Co., Shenandoah	3,000	98.93	76.01	85.1	20.7	6.9	18.1	3.3	5.0

Pioneer 335	Iowa Corn & Small Grain Growers Assn., Ames	38,700	99.93	80.18	82.4	21.5	16.5	13.0	3.1	2.6
Turner S57	Turner Hybrid Seed Corn Co., Grand Junction	4,000	99.87	76.82	83.1	21.5	6.6	17.0	3.5	4.0
W-205A	Wilson Hybrids, Inc., Harlan	3,000	99.78	78.24	86.4	21.3	10.7	15.3	3.1	4.8
825	W. O. McCurdy & Sons, Fremont	600	99.55	74.64	82.1	21.5	4.5	15.9	3.4	5.1
Robinson and Hutchcroft, The 1951 Iowa corn yield test										
Pioneer 335	Iowa Corn & Small Grain Growers Assn., Ames	1,738	99.17	75.73	85.5	19.9	4.9	19.6	3.2	5.5
C277	Clarke Hybrid Corn Co., Conrad	3,000	98.93	76.01	85.1	20.7	6.9	18.1	3.3	5.0
Maygold 59	Earl E. May Seed Co., Shenandoah	1,500	98.92	72.12	80.8	19.2	8.3	12.5	3.2	3.2
U50	United Hybrid Growers Assn., Shenandoah	*	98.43	74.71	82.8	19.7	8.6	17.0	3.0	3.7
Pioneer 340	Iowa Corn & Small Grain Growers Assn., Ames	12,000	97.84	74.49	81.9	19.8	9.7	16.4	3.0	5.1
PAG 347	Pfister Associated Growers, Inc., Monroe	12,600	97.78	74.19	81.0	21.7	6.4	17.3	3.3	5.7
Maygold 49	Earl E. May Seed Co., Shenandoah	300	97.27	77.08	84.3	20.6	10.5	21.0	3.2	3.9
PAG 281	J. M. Hunt & Son, Ackley	*	96.89	72.67	80.5	19.7	13.7	13.1	2.8	2.1
Iowa Hybrid 4297	Iowa Corn & Small Grain Growers Assn., Ames	*	94.92	72.93	82.6	21.9	12.8	16.3	3.2	4.6
Farmers 488	Iowa Corn & Small Grain Growers Assn., Ames	1,800	93.29	75.50	82.5	22.7	13.3	23.9	3.5	3.2
Farmers 509	Farmers Hybrid Seed Corn Co., Hampton									
	Average of all entries			77.00	84.1	20.8	8.6	15.6	3.2	3.8
4-YEAR AVERAGE—1948, 1949, 1950, 1951										
Cornelius C66	Cornelius Hybrid Corn Co., Bellevue	100	103.18	84.68	84.4	20.3	6.2	11.7	3.1	2.0
H-3	Holden Foundation Hybrids, Williamsburg	60	102.58	83.77	81.1	20.9	4.9	12.4	3.6	2.3
987M	W. O. McCurdy & Sons, Fremont	2,000	102.11	83.76	85.1	21.6	6.7	11.1	3.5	2.3
PAG 392	Pfister Associated Growers, Inc., Monroe	6,000	101.92	84.90	85.5	20.0	6.1	14.8	3.4	4.4
Ohio Hybrid C92	Iowa State Hybrid Corn Co., Elkhart	500	101.74	84.76	85.0	21.4	9.1	11.3	3.6	2.8
C277	Clarke Hybrid Corn Co., Conrad	1,738	101.29	83.78	86.7	20.8	4.4	15.6	3.4	4.3
Pioneer 339	Iowa Corn & Small Grain Growers Assn., Ames	*	101.08	81.83	84.4	20.8	6.0	11.9	3.2	3.1
77-H	Holden Hybrid Seed Farms, Tipton	1,500	101.06	82.97	84.3	20.9	7.3	12.6	3.4	2.6
Ohio Hybrid C92	J. H. Isenhart, Batavia	1,900	101.02	83.15	84.9	21.5	8.9	10.8	3.5	2.6
Funk G-37	Funk Bros. Seed Co., Belle Plaine	7,579	100.95	81.54	83.3	21.0	3.8	13.8	3.6	3.0
117M	W. O. McCurdy & Sons, Fremont	1,100	100.90	82.04	82.6	21.4	4.8	13.5	3.4	2.6
Pioneer 335	Pioneer Hi-Bred Corn Co., Des Moines	38,700	100.78	86.10	83.7	21.6	14.6	10.6	3.2	2.1
Turner S57	Turner Hybrid Seed Corn Co., Grand Junction	4,000	100.39	82.69	82.4	22.0	6.6	13.3	3.6	3.1
825	W. O. McCurdy & Sons, Fremont	600	100.00	79.98	82.2	21.6	4.0	12.6	3.4	4.0
U52	United Hybrid Growers Assn., Shenandoah	6,000	99.78	79.83	82.9	21.3	6.8	10.8	3.2	3.1
W-310	Wilson Hybrids, Inc., Harlan	1,000	99.63	82.01	84.2	21.5	7.4	13.9	3.1	3.1
W-205A	Wilson Hybrids, Inc., Harlan	3,000	99.15	82.39	84.6	21.7	10.5	12.2	3.2	3.8
Maygold 59	Earl E. May Seed Co., Shenandoah	3,000	99.04	80.57	82.9	20.9	6.5	14.3	3.4	4.0
U50	United Hybrid Growers Assn., Shenandoah	1,500	99.03	77.47	80.8	19.7	7.6	10.0	3.3	2.6
PAG 281	J. M. Hunt & Son, Ackley	300	98.72	82.26	82.7	20.5	8.8	16.4	3.3	3.0
Maygold 49	Earl E. May Seed Co., Shenandoah	12,600	98.42	79.82	81.2	21.7	6.6	13.6	3.4	4.5
Pioneer 340	Iowa Corn & Small Grain Growers Assn., Ames	*	98.40	79.11	83.4	19.9	7.8	13.7	3.0	3.1
Farmers 488	Iowa Corn & Small Grain Growers Assn., Ames	*	94.69	76.42	80.8	22.2	11.8	12.7	3.2	3.5
Farmers 509	Farmers Hybrid Seed Corn Co., Hampton	1,800	94.14	79.97	81.4	23.0	12.2	19.0	3.6	2.7
	Average of all entries			81.91	83.4	21.2	7.5	13.0	3.4	3.1

* Widely grown hybrids as determined by a survey of farmers.

TABLE 7. SOUTHERN SECTION PERIOD-OF-YEARS

Average records of section entries in the 1951 Iowa Corn Yield Test and previous years. These entries include only those entered by the same individual, under the same identification name or number, and with the same pedigree.

Hybrid	Name and address of entrant	Bushels available for plant- ing in 1951	Perform- ance score	Acre yield bu.	Stand pct.	Moist. pct.	Lodging pct. root stalk	Ear ht.	Drop'd ears pct.
2-YEAR AVERAGE—1950, 1951									
Maygold 50A	Earl E. May Seed Co., Shenandoah	60	106.38	81.79	89.2	21.6	4.3	7.6	0.4
Maygold 59A	Earl E. May Seed Co., Shenandoah	19,600	104.83	85.09	89.1	21.1	14.0	7.1	0.5
Dockendorff 13A	Wm. Dockendorff & Sons, Danville	550	104.15	87.36	94.1	23.4	13.1	10.9	0.6
Farmers 588	Farmers Hybrid Seed Corn Co., Hampton	3,000	103.51	82.14	89.9	21.4	11.0	8.7	0.3
Ohio Hybrid C92	Iowa Corn & Small Grain Growers Assn., Ames	*	102.22	82.08	90.6	20.6	17.3	6.2	0.3
U. S. Hybrid 13	J. H. Isenhardt, Batavia	1,000	102.02	84.78	92.1	22.3	14.2	12.0	1.0
Funk G-95	Funk Bros. Seed Co., Belle Plaine	2,079	101.98	83.56	90.9	21.3	13.4	12.2	0.5
W-300	Wilson Hybrids, Inc., Harlan	5,000	101.94	79.58	91.7	21.4	12.7	6.9	0.5
124-H	Holden Hybrid Seed Farms, Tipton	300	101.45	82.46	92.6	22.0	13.8	10.8	0.4
U. S. Hybrid 35	Iowa Crop Improvement Assn., Ames	Comp.	101.42	83.01	92.0	21.6	16.5	9.4	0.4
124-2	W. O. McCurdy & Sons, Fremont	1,400	101.30	77.24	89.2	19.5	12.5	7.1	0.0
Turner T60	Turner Hybrid Seed Corn Co., Grand Junction	1,800	101.13	81.37	91.9	21.2	17.7	6.8	0.4
C-33	Carlson Hybrid Corn Co., Audubon	2,000	100.57	79.90	89.9	22.0	10.7	11.8	1.5
218-B	Holden Hybrid Seed Farms, Tipton	1,100	100.48	80.54	91.7	20.2	16.2	9.7	0.1
Turner S53	Turner Hybrid Seed Corn Co., Grand Junction	2,000	100.01	82.49	90.3	23.3	14.6	12.1	1.1
PAG 392	Shrock Hybrid Corn Co., Congerville, Ill.	2,000	99.80	78.64	90.8	20.3	13.1	11.3	0.6
Meyer 591	Winterset Hybrid Co., Winterset	475	99.80	81.47	94.5	21.9	11.3	15.8	0.8
U. S. Hybrid 13	Lincoln Seed Co., Pacific Junction	1,000	99.58	81.77	90.8	23.1	12.9	14.1	3.5
Iowa Hybrid 4385	Iowa Crop Improvement Assn., Ames	Comp.	99.53	78.13	90.7	20.9	17.2	6.7	0.3
DeKalb 847	Iowa Corn & Small Grain Growers Assn., Ames	*	98.34	78.16	89.6	20.8	18.0	8.9	0.3
Pioneer 339	Iowa Corn & Small Grain Growers Assn., Ames	*	98.34	77.17	89.5	21.2	14.9	10.1	0.4
DeKalb 800A	Iowa Corn & Small Grain Growers Assn., Ames	*	98.24	80.46	92.5	21.3	16.6	13.6	0.2
U. S. Hybrid 13	Iowa Corn & Small Grain Growers Assn., Ames	*	98.21	81.55	90.3	22.9	16.3	13.8	1.0
Funk G-99	Funk Bros. Seed Co., Belle Plaine	1,587	97.97	81.79	92.0	23.5	21.9	8.7	0.7
Pioneer 302	Garst & Thomas Hybrid Corn Co., Coon Rapids	25,000	97.48	80.10	92.9	24.7	18.4	9.7	0.8
Iowa Hybrid 4513	Iowa Crop Improvement Assn., Ames	Comp.	96.81	77.96	89.6	21.1	18.5	11.6	0.2
Pioneer 335	Iowa Corn & Small Grain Growers Assn., Ames	*	96.80	85.58	92.4	21.9	28.8	12.0	0.4
PAG 170	Iowa Corn & Small Grain Growers Assn., Ames	*	95.79	80.40	90.7	21.0	24.1	12.2	0.4
Pioneer 300	Iowa Corn & Small Grain Growers Assn., Ames	*	95.13	82.00	90.7	23.2	23.0	15.2	0.6
Pioneer 336	Iowa Corn & Small Grain Growers Assn., Ames	*	94.85	78.86	91.4	21.8	19.5	16.0	0.5
Average of all entries				81.25	91.1	21.8	15.9	10.6	0.5

Robinson and Hutchcroft: The 1951 Iowa corn yield test

3-YEAR AVERAGE—1949, 1950, 1951										
Maygold 50A	Earl E. May Seed Co., Shenandoah	60	106.55	84.24	86.8	20.0	3.6	9.7	3.2	0.8
Farmers 588	Farmers Hybrid Seed Corn Co., Hampton	3,000	102.79	84.32	88.6	19.9	12.7	10.0	3.3	0.9
Maygold 59A	Earl E. May Seed Co., Shenandoah	19,600	102.72	84.72	87.7	19.8	13.6	9.8	3.3	1.3
124-2	W. O. McCurdy & Sons, Fremont	1,400	101.80	80.75	87.6	18.6	12.6	8.6	3.2	0.5
C-33	Carlson Hybrid Corn Co., Audubon	2,000	101.01	82.02	87.4	20.3	9.7	13.1	3.2	2.2
U. S. Hybrid 13	J. H. Isenhardt, Batavia	1,000	100.86	86.64	90.2	21.0	11.7	17.4	3.4	2.9
Ohio Hybrid C92	Iowa Corn & Small Grain Growers Assn., Ames	*	100.77	83.03	89.1	19.6	16.7	9.2	3.3	1.2
W-300	Wilson Hybrids, Inc., Harlan	5,000	100.74	81.03	89.7	20.0	13.3	9.1	3.3	1.8
PAG 392	Shrock Hybrid Corn Co., Congerville, Ill.	2,000	100.71	81.64	88.7	19.1	11.0	13.3	3.2	1.6
U. S. Hybrid 13	Lincoln Seed Co., Pacific Junction	1,000	99.95	83.99	88.8	21.2	10.5	17.1	3.5	1.9
Turner S53	Turner Hybrid Seed Corn Co., Grand Junction	2,000	99.81	84.70	87.9	21.6	12.9	15.4	3.4	2.7
Turner T60	Turner Hybrid Seed Corn Co., Grand Junction	1,800	99.44	82.78	90.1	19.8	19.2	9.4	3.3	1.2
U. S. Hybrid 13	Iowa Corn & Small Grain Growers Assn., Ames	*	99.20	84.37	88.7	21.2	13.4	16.4	3.5	2.4
DeKalb 800A	Iowa Corn & Small Grain Growers Assn., Ames	*	99.02	83.18	90.0	20.1	15.7	14.2	3.3	1.4
DeKalb 847	Iowa Corn & Small Grain Growers Assn., Ames	*	98.70	80.14	88.8	19.9	16.4	10.1	3.2	1.0
Meyer 591	Winterset Hybrid Co., Winterset	475	98.63	81.31	89.4	20.3	10.0	17.8	3.0	1.6
Funk G-99	Funk Bros. Seed Co., Belle Plaine	1,587	98.43	83.04	88.3	21.9	18.9	10.6	3.3	1.3
Pioneer 339	Iowa Corn & Small Grain Growers Assn., Ames	*	98.22	78.38	87.6	20.0	13.4	11.3	3.2	1.7
Pioneer 336	Iowa Corn & Small Grain Growers Assn., Ames	*	95.88	80.22	89.7	20.4	15.9	17.0	3.3	1.4
Pioneer 300	Iowa Corn & Small Grain Growers Assn., Ames	*	94.79	82.76	87.8	21.4	20.5	17.9	3.4	1.5
Average of all entries				82.66	88.6	20.3	13.6	12.9	3.3	1.6
4-YEAR AVERAGE—1948, 1949, 1950, 1951										
Maygold 59A	Earl E. May Seed Co., Shenandoah	19,600	101.87	89.14	86.5	19.5	12.7	10.0	3.4	1.0
124-2	W. O. McCurdy & Sons, Fremont	1,400	101.85	85.82	87.2	18.7	11.1	7.9	3.3	0.6
U. S. Hybrid 13	J. H. Isenhardt, Batavia	1,000	101.83	92.88	89.5	20.8	10.1	16.2	3.5	2.3
Ohio Hybrid C92	Iowa Corn & Small Grain Growers Assn., Ames	*	101.42	89.89	88.3	19.4	15.7	9.2	3.4	1.1
W-300	Wilson Hybrids, Inc., Harlan	5,000	100.71	86.40	88.9	19.7	12.6	8.7	3.4	1.7
Turner S53	Turner Hybrid Seed Corn Co., Grand Junction	2,000	100.66	90.80	87.7	21.2	10.7	15.1	3.5	2.6
Meyer 591	Winterset Hybrid Co., Winterset	475	100.50	88.90	89.3	19.7	8.3	17.0	3.1	1.7
U. S. Hybrid 13	Lincoln Seed Co., Pacific Junction	1,000	100.37	89.09	87.1	21.0	8.8	15.8	3.6	1.9
DeKalb 847	Iowa Corn & Small Grain Growers Assn., Ames	*	100.32	86.81	87.6	19.7	13.5	9.6	3.3	1.0
U. S. Hybrid 13	Iowa Corn & Small Grain Growers Assn., Ames	*	99.52	89.39	87.0	21.1	11.3	15.6	3.5	2.2
Turner T60	Turner Hybrid Seed Corn Co., Grand Junction	1,800	99.20	87.68	89.3	19.7	17.4	9.6	3.4	1.2
Funk G-99	Funk Bros. Seed Co., Belle Plaine	1,587	99.17	89.86	86.4	22.0	16.9	11.1	3.5	1.1
DeKalb 800A	Iowa Corn & Small Grain Growers Assn., Ames	*	99.10	88.56	88.8	20.0	14.2	13.9	3.4	1.4
Pioneer 336	Iowa Corn & Small Grain Growers Assn., Ames	*	97.43	86.30	88.6	20.1	13.4	15.7	3.4	1.1
Pioneer 300	Iowa Corn & Small Grain Growers Assn., Ames	*	96.08	88.97	87.8	21.1	18.4	16.7	3.4	1.5
Average of all entries				88.70	88.0	20.2	13.0	12.8	3.4	1.5

* Widely grown hybrids as determined by a survey of farmers.

TABLE 8. NORTHERN SECTION 1951

Average performance of 81 hybrids tested at Sheldon (Dist. 1), Mason City (Dist. 2), and Waukon (Dist 3).

Hybrid	Name and address of entrant	Bushels available for plant- ing in 1951	Perform- ance score	Acre yield bu.†	Stand pct.	Moist. pct.	Lodging pct. root	Ear ht.	Drop'd ears pct.
Corn King 112	Malcom H. Grieve, Pierson	120	107.17	61.71	87.9	35.8	3.2	3.5	0.5
U32A	United Hybrid Growers Assn., Shenandoah	6,000	105.47	57.47	85.8	33.2	1.2	2.3	0.1
Pioneer 349	Garst & Thomas Hybrid Corn Co., Coon Rapids	17,775	105.39	57.75	90.6	32.6	0.6	4.5	0.6
Pioneer 344	Pioneer Hi-Bred Corn Co., Des Moines	12,180	105.38	59.69	85.7	35.1	2.2	5.2	0.5
Maygold 1065	Earl E. May Seed Co., Shenandoah	60	104.77	58.06	85.3	35.9	2.2	1.3	0.1
Pioneer 352	Pioneer Hi-Bred Corn Co., Des Moines	58,300	104.62	57.51	87.2	34.9	1.5	2.4	0.0
214-B	Holden Hybrid Seed Farms, Tipton	1,500	104.50	57.76	86.8	35.0	1.2	3.6	0.3
Pioneer 349	Pioneer Hi-Bred Corn Co., Des Moines	73,100	104.18	56.56	88.8	34.5	1.0	1.9	0.4
DeKalb 406	Iowa Corn & Small Grain Growers Assn., Ames	*	104.17	57.06	88.3	33.8	3.0	2.4	0.1
H-31	Holden Foundation Hybrids, Williamsburg	50	103.84	55.50	87.0	32.8	0.8	2.7	0.0
105-H	Holden Hybrid Seed Farms, Tipton	100	103.82	56.49	86.6	33.0	3.3	2.6	0.4
N150	Cargill, Inc., Grinnell	250	103.75	56.65	89.3	33.3	1.9	4.4	0.1
Pioneer 352	Iowa Corn & Small Grain Growers Assn., Ames	*	103.46	56.07	86.3	35.1	0.6	2.1	0.6
Pioneer 349	Iowa Corn & Small Grain Growers Assn., Ames	*	103.41	56.63	86.1	33.7	3.4	3.4	0.1
C217	Clarke Hybrid Corn Co., Conrad	2,904	103.32	56.21	84.9	34.0	0.3	5.0	0.3
Pioneer X7164	Pioneer Hi-Bred Corn Co., Des Moines	65	103.18	55.50	85.6	33.0	3.3	1.8	0.3
Tomahawk 42	Thompson Hybrid Corn Co., Inc., Belmond	5,052	103.06	55.56	86.2	33.9	0.4	3.7	0.6
Crow 407	Iowa Corn & Small Grain Growers Assn., Ames	*	102.93	55.91	85.8	35.2	0.7	3.4	0.1
Cornhusker 83	Cornhusker Hybrid Co., Fremont, Nebr.	5,800	102.60	55.32	87.8	35.7	1.0	1.5	0.3
Iowa Hybrid 4483	Agronomy (FC) & U.S.D.A., Ames	11 lb.	102.54	53.61	84.3	30.1	2.0	3.7	0.0
Pioneer X7278	Pioneer Hi-Bred Corn Co., Des Moines	1,600	102.52	55.61	86.7	32.0	4.7	3.7	0.9
PAG 277	Black & Abbott Farms, Walnut, Ill.	4,000	102.50	55.52	82.8	34.9	1.6	3.0	0.3
Mellowdent M88	Louis Quirin, Alta	53	102.41	55.06	85.1	34.0	1.6	3.3	0.0
Funk G-114	Funk Bros. Seed Co., Belle Plaine	6,984	101.91	55.27	86.6	34.9	3.3	2.4	0.0
U32	United Hybrid Growers Assn., Shenandoah	5,600	101.54	54.90	87.8	33.4	2.4	5.4	0.3
HOW	Epley Bros., Shell Rock	1,200	101.42	55.09	86.7	35.3	0.4	5.5	0.6
Iowa Hybrid 4441	Iowa Crop Improvement Assn., Ames	Comp.	101.33	53.29	85.8	31.3	1.8	4.8	0.4
DeKalb 241	Iowa Corn & Small Grain Growers Assn., Ames	*	101.26	53.50	86.4	31.6	1.4	5.5	0.6
Pioneer 372	Garst & Thomas Hybrid Corn Co., Coon Rapids	50	101.06	53.22	86.2	32.6	3.1	2.2	0.8
Funk G-28	Funk Bros. Seed Co., Belle Plaine	6,203	100.81	55.23	82.7	35.2	1.9	6.7	0.1
Funk G-68	Funk Bros. Seed Co., Belle Plaine	2,153	100.75	53.77	82.8	31.2	2.4	7.7	0.1
Turner T27	Turner Hybrid Seed Corn Co., Grand Junction	1,100	100.73	52.46	85.9	30.7	2.3	4.7	0.1
Maygold 99A	Earl E. May Seed Co., Shenandoah	7,200	100.60	55.98	85.8	34.8	8.0	3.9	0.4
U36	United Hybrid Growers Assn., Shenandoah	7,000	100.30	53.41	84.7	34.5	3.2	2.6	0.3
Farmers 223	Farmers Hybrid Seed Corn Co., Hampton	3,700	99.99	53.37	86.7	30.9	4.6	7.1	0.3
U37A	United Hybrid Growers Assn., Shenandoah	1,100	99.97	54.56	83.0	34.4	3.5	7.0	0.0
J-10	Jacobsen Hybrid Corn Co., Lake View	600	99.93	52.23	85.3	32.8	3.0	2.9	0.4
U37B	Cornhusker Hybrid Co., Fremont, Nebr.	9,940	99.87	53.21	84.8	36.1	1.8	2.5	0.0

U37A -----	United Hybrid Growers Assn., Shenandoah -----	1,100	99.97	54.56	83.0	34.4	3.5	7.0	3.1	0.0
J-10 -----	Jacobsen Hybrid Corn Co., Lake View -----	600	99.93	52.23	85.3	32.8	3.0	2.9	2.8	0.4
Cornhusker 85 -----	Cornhusker Hybrid Co., Fremont, Nebr. -----	9,940	99.87	53.21	84.8	36.1	1.8	2.5	3.1	0.0

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Funk G-68A -----	Funk Bros. Seed Co., Belle Plaine -----	1,322	99.70	52.24	81.9	32.1	2.4	5.3	2.6	0.0
Funk G-6 -----	Iowa Corn & Small Grain Growers Assn., Ames -----	*	99.70	50.70	82.9	29.5	2.3	4.4	2.6	0.4
328 -----	Cargill, Inc., Grinnell -----	1,800	99.64	53.27	83.4	34.6	3.9	3.3	3.2	0.3
Federal 300 -----	Federal Hybrids, Marion -----	1,000	99.61	52.87	86.8	34.9	2.3	3.5	3.0	0.4
Heim 650C -----	Heim Hybrid Seed Corn Co., Lake City -----	55	99.54	52.49	86.7	34.8	1.3	3.7	2.6	0.3
PAG 282 -----	North Corn Belt Seed Growers, Naperville, Ill. -----	600	99.54	52.01	83.4	34.2	1.3	2.9	3.1	0.5
Iowa Hybrid 4316 -----	Iowa Crop Improvement Assn., Ames -----	Comp.	99.39	53.46	82.3	34.6	3.5	5.0	3.2	0.4
Pioneer 348 -----	Pioneer Hi-Bred Corn Co., Des Moines -----	5,500	99.14	52.62	86.3	34.8	2.7	4.0	3.1	0.3
Funk G-30 -----	Funk Bros. Seed Co., Belle Plaine -----	20,532	99.09	52.56	83.0	34.3	3.8	3.5	2.8	0.4
C15 -----	Clarke Hybrid Corn Co., Conrad -----	172	99.05	51.79	82.7	33.9	0.9	4.7	3.5	0.4
W-145 -----	Wilson Hybrids, Inc., Harlan -----	8,000	99.05	54.05	81.7	34.7	5.3	5.8	3.0	0.4
PAG 299 -----	J. M. Hunt & Son, Ackley -----	7,500	99.02	53.43	86.2	36.0	2.7	5.2	3.1	0.0
Turner T12A -----	Turner Hybrid Seed Corn Co., Grand Junction -----	2,000	98.96	51.26	87.0	32.3	1.7	5.0	2.7	0.4
DeKalb 410 -----	Iowa Corn & Small Grain Growers Assn., Ames -----	*	98.84	52.39	84.4	33.5	3.3	5.5	3.0	0.1
PAG Ex4199 -----	Pfister Associated Growers, Inc., Aurora, Ill. -----	200	98.82	53.72	89.6	35.1	5.6	5.0	3.1	0.0
Tomahawk 30 -----	Thompson Hybrid Corn Co., Inc., Belmont -----	1,496	98.79	51.32	85.3	33.7	1.8	3.7	2.9	0.3
B50 -----	Blaney Seed Farms, Madison, Wis. -----	50	98.72	50.01	86.0	27.9	2.1	8.0	2.7	0.0
DeKalb 404A -----	Iowa Corn & Small Grain Growers Assn., Ames -----	*	98.72	52.22	85.1	35.0	2.4	3.8	3.1	0.9
96M -----	W. O. McCurdy & Sons, Fremont -----	2,000	98.54	49.92	83.2	32.5	0.5	3.3	2.9	0.3
C17 -----	Clarke Hybrid Corn Co., Conrad -----	1,150	98.45	51.61	85.3	34.5	2.0	4.2	2.9	0.4
PAG 253 -----	Pfister Associated Growers, Inc., Monroe -----	2,500	98.42	51.18	84.0	35.0	1.5	3.0	2.9	0.0
Federal 300A -----	Federal Hybrids, Marion -----	1,000	98.19	50.87	89.0	34.2	1.4	3.8	3.1	0.5
U39 -----	United Hybrid Growers Assn., Shenandoah -----	3,000	97.96	50.80	84.5	34.9	2.1	2.5	2.8	0.6
Farmers 427A -----	Iowa Corn & Small Grain Growers Assn., Ames -----	*	97.91	52.59	83.6	37.1	4.4	2.8	3.3	0.1
Funk 94420 -----	Funk Bros. Seed Co., Belle Plaine -----	125	97.65	48.54	84.3	31.5	0.3	3.7	2.6	0.3
C-8 -----	Carlson Hybrid Corn Co., Audubon -----	4,029	97.63	50.63	86.7	35.2	0.6	4.4	3.2	0.0
CH-38 -----	Christoffersen & Son, Audubon -----	450	97.55	51.24	87.9	36.6	1.1	3.9	3.1	0.1
200 -----	Cargill, Inc., Grinnell -----	2,200	97.42	52.80	83.8	35.1	6.0	6.1	3.1	0.3
Farmers 388 -----	Iowa Corn & Small Grain Growers Assn., Ames -----	*	97.40	51.85	79.6	35.3	3.6	5.3	3.1	0.4
Cornelius 404 -----	Cornelius Hybrid Corn Co., Bellevue -----	850	97.38	51.15	81.4	35.3	3.6	3.6	3.1	0.1
Mellowdent 89 -----	J. N. Horlacher & Son, Storm Lake -----	54	97.08	50.19	87.9	36.6	0.5	2.8	3.1	0.4
Funk G-1A -----	Funk Bros. Seed Co., Belle Plaine -----	15,412	96.74	47.59	83.0	29.3	1.6	5.6	2.5	0.0
Iowa Hybrid 4417 -----	Iowa Crop Improvement Assn., Ames -----	Comp.	96.58	49.56	85.9	30.1	6.6	5.8	2.7	0.0
PAG 270 -----	Wilson-Rininger Corn Co., Sac City -----	1,800	96.45	50.84	87.8	36.2	3.7	4.1	3.3	0.5
C-7 -----	Carlson Hybrid Corn Co., Audubon -----	1,000	96.17	48.20	78.8	33.0	1.7	4.0	3.1	0.0
Crow 260 -----	Crow Hybrid Corn Co., Nevada -----	2,200	95.87	48.98	79.3	33.3	3.6	3.9	2.7	0.3
Iowa Hybrid 4297 -----	Harper Hardy Hybrids, Vinton -----	2,000	95.86	49.67	82.3	35.1	3.5	4.3	3.1	0.1
W-77 -----	Wilson Hybrids, Inc., Harlan -----	500	95.84	48.02	83.9	29.5	5.6	5.3	2.7	0.3
45-H -----	Holden Hybrid Seed Farms, Tipton -----	1,200	95.74	50.18	84.8	35.9	5.8	2.8	3.4	0.1
Exp. W-H -----	J. M. Hunt & Son, Ackley -----	500	95.04	51.17	84.2	32.4	12.8	5.7	2.8	0.3
111M -----	W. O. McCurdy & Sons, Fremont -----	1,500	94.99	47.85	84.0	34.7	1.5	4.2	2.9	0.3
95M -----	W. O. McCurdy & Sons, Fremont -----	5,000	94.56	48.21	83.6	33.4	2.7	7.3	2.8	0.1
U33 -----	United Hybrid Growers Assn., Shenandoah -----	80	88.88	44.57	81.8	32.5	10.6	7.6	3.2	0.3
Average of all entries -----				53.13	85.2	33.8	2.7	4.1	3.0	0.3

* Widely grown hybrids as determined by a survey of farmers.

† Differences in yield between any two entries of less than 3.61 bushels an acre are not considered significant.

TABLE 9. NORTH CENTRAL SECTION 1951

Average performance of 81 hybrids tested at Storm Lake (Dist. 4), Clarion (Dist. 5), and Independence (Dist. 6).

Hybrid	Name and address of entrant	Bushels available for plant- ing in 1951	Perform- ance score	Acre yield bu.†	Stand pct.	Moist. pct.	Lodging pct. root stalk	Ear ht.	Drop'd ears pct.	
Pioneer X0001	Pioneer Hi-Bred Corn Co., Des Moines	75	108.24	88.09	92.6	25.5	0.7	6.6	3.0	0.2
Pioneer 352	Garst & Thomas Hybrid Corn Co., Coon Rapids	40,165	105.28	82.48	90.9	25.0	2.6	3.6	2.5	0.0
Pioneer 349	Iowa Corn & Small Grain Growers Assn., Ames	*	105.18	83.81	91.4	23.0	4.3	6.9	2.4	0.2
Iowa Hybrid 4576	Agronomy (FC) & U.S.D.A., Ames	11 lb.	105.13	81.12	87.6	25.2	0.4	3.3	2.7	0.0
Pioneer 337	Pioneer Hi-Bred Corn Co., Des Moines	14,300	104.87	83.04	89.1	24.8	3.1	5.4	3.0	0.4
Maygold 69	Earl E. May Seed Co., Shenandoah	2,700	104.67	82.78	88.6	25.3	3.0	5.0	3.1	0.1
Farmers 327	Farmers Hybrid Seed Corn Co., Hampton	2,300	104.46	80.97	87.7	25.2	2.0	3.3	2.4	0.0
Pioneer 352	Iowa Corn & Small Grain Growers Assn., Ames	*	104.29	80.45	84.6	23.9	2.5	3.9	2.5	0.0
Bear OK-31	Bear Hybrids Corn Co., Decatur, Ill.	1,000	103.86	81.69	89.7	24.9	0.4	8.4	2.9	0.1
Pioneer 347	Pioneer Hi-Bred Corn Co., Des Moines	8,400	103.73	81.91	90.7	24.3	1.5	8.8	2.7	0.1
Funk G-77A	Funk Bros. Seed Co., Belle Plaine	2,968	103.21	80.37	88.1	24.9	3.3	4.8	3.1	0.4
600	W. O. McCurdy & Sons, Fremont	1,500	102.80	80.04	87.1	25.0	5.2	3.6	2.3	0.0
Iowa Hybrid 4376	Iowa Crop Improvement Assn., Ames	10 lb.	102.53	77.97	85.4	26.0	1.0	3.3	2.7	0.4
Pioneer 325	Garst & Thomas Hybrid Corn Co., Coon Rapids	13,925	102.49	79.85	88.2	28.3	2.1	3.0	2.4	0.5
Iowa Hybrid 4517	Agronomy (FC) & U.S.D.A., Ames	10 lb.	102.15	78.53	84.4	29.1	0.4	2.4	3.2	0.3
Pioneer 344	Garst & Thomas Hybrid Corn Co., Coon Rapids	17,710	102.02	81.58	85.6	24.7	2.5	11.8	2.8	0.1
DeKalb 406	Iowa Corn & Small Grain Growers Assn., Ames	*	101.91	78.77	87.9	24.7	3.9	5.2	2.7	0.6
W-245	Wilson Hybrids, Inc., Harlan	2,000	101.87	79.21	86.7	27.0	3.4	4.0	2.5	0.3
J-39-A	Jacobsen Hybrid Corn Co., Lake View	2,500	101.67	80.11	90.1	27.0	2.1	7.6	2.9	0.3
Cornhusker 84	Cornhusker Hybrid Corn Co., Fremont, Nebr.	1,475	101.61	78.31	87.0	26.6	0.9	6.0	3.2	0.5
Iowa Hybrid 4249	Iowa Corn & Small Grain Growers Assn., Ames	*	101.61	80.67	86.6	25.6	4.9	7.8	2.9	0.0
Iowa Hybrid 4397	Iowa Crop Improvement Assn., Ames	Comp.	101.55	77.75	85.4	25.6	4.0	3.1	2.6	0.5
Cornelius C43	Cornelius Hybrid Corn Co., Bellevue	225	101.48	77.67	88.9	25.0	5.3	2.8	2.4	0.3
Green Acres 472	Green Acres, Hartington, Nebr.	80	101.25	76.80	88.7	25.7	0.8	5.5	3.1	0.1
U42A	United Hybrid Growers Assn., Shenandoah	5,200	101.19	78.64	83.2	25.8	1.2	8.7	2.7	0.0
Mellowdent 194	J. N. Horlacher & Son, Storm Lake	300	101.18	77.72	89.2	24.8	3.7	5.6	2.9	0.1
Iowa Hybrid 4249	Harper Hardy Hybrids, Vinton	2,500	101.16	79.40	88.9	26.2	4.6	6.3	2.8	0.1
Pioneer 347	Garst & Thomas Hybrid Corn Co., Coon Rapids	9,288	101.09	77.46	85.2	24.0	1.7	8.4	2.7	0.0
Federal 240	Federal Hybrids, Marion	500	101.04	78.27	83.2	24.6	3.9	7.1	3.0	0.1
PAG 347	Associated Pfister Growers, Inc., Davenport	2,000	100.81	80.67	90.4	25.3	6.3	9.1	3.0	0.0
Iowa Hybrid 4298	Iowa State Hybrid Corn Co., Elkhart	1,500	100.80	77.88	83.1	25.6	3.7	6.0	3.1	0.1
Iowa Hybrid 4470	Iowa Crop Improvement Assn., Ames	10 lb.	100.75	79.75	85.8	25.7	5.0	8.3	2.7	0.3
Maygold 89	Earl E. May Seed Co., Shenandoah	7,100	100.71	75.80	85.3	24.6	4.2	3.1	2.5	0.1
Iowa Hybrid 4345	Iowa Crop Improvement Assn., Ames	Comp.	100.55	77.55	87.6	26.2	4.2	5.0	2.7	0.1
Iowa Hybrid 4418	Iowa Crop Improvement Assn., Ames	Comp.	100.55	77.40	88.0	25.6	5.3	4.3	2.7	0.1
PAG X872	Newcomer Hybrid Corn Co., N. Henderson, Ill.	500	100.52	80.00	87.6	24.2	2.5	13.5	3.1	0.8
Iowa Hybrid 4470	Iowa State Hybrid Corn Co., Elkhart	1,300	100.29	77.58	88.2	25.6	5.4	5.3	2.8	0.3
Iowa Hybrid 4470	Johnson-Rininger Corn Co., Sac City	11,000	100.26	78.85	83.3	24.8	4.7	9.6	2.9	0.0
C-12	Carlson Hybrid Corn Co., Audubon	1,489	100.22	77.63	88.5	23.7	4.7	8.6	2.7	0.0
Iowa Hybrid 4459	Agronomy (FC) & U.S.D.A., Ames	8 lb.	100.01	83.34	90.5	28.5	5.4	13.6	2.1	0.4

Iowa Hybrid 4418	Iowa Crop Improvement Assn., Ames	Comp.	100.55	77.40	88.0	23.6	5.3	4.3	2.7	0.1
PAG X872	Newcomer Hybrid Corn Co., N. Henderson, Ill.	500	100.52	80.00	87.6	24.2	2.5	13.5	3.1	0.8
Iowa Hybrid 4450	Iowa State Hybrid Corn Co., Elkhart	1,300	100.29	77.58	88.2	25.6	5.4	5.3	2.8	0.3
PAG 299	Wilson-Rininger Corn Co., Sac City	11,000	100.26	78.85	83.3	24.8	4.7	9.6	2.9	0.0
Robinson and Hutchcroft: The 1951 Iowa corn yield test										
C-12	Carlson Hybrid Corn Co., Audubon	1,489	100.22	77.63	88.5	23.7	4.7	8.6	2.7	0.0
Iowa Hybrid 4459	Agronomy (FC) & U.S.D.A., Ames	8 lb.	100.01	83.34	90.5	28.5	5.4	13.6	3.1	0.4
CH-48	Christoffersen & Son, Audubon	1,600	99.99	76.58	86.8	27.6	2.5	4.8	2.6	0.3
Beeghly B	Milford Beeghly, Pierson	187	99.90	75.27	87.0	26.0	1.6	5.3	3.1	0.1
Mellowdent M195	Louis Quirin, Alta	420	99.86	73.17	86.2	26.0	6.6	5.9	2.5	0.4
Corn King 114	Malcom H. Grieve, Pierson	700	99.76	81.42	88.3	25.8	8.8	10.6	2.9	0.1
Pioneer 339	Pioneer Hi-Bred Corn Co., Des Moines	13,200	99.72	76.23	88.1	27.1	1.9	6.1	3.2	0.4
U41	United Hybrid Growers Assn., Shenandoah	7,000	99.68	77.97	88.1	25.0	5.7	8.2	2.9	0.3
Crow 432	Crow Hybrid Corn Co., Nevada	2,500	99.58	74.29	82.8	23.9	3.0	5.6	2.4	0.0
Epley Medium	Epley Bros., Shell Rock	1,150	99.38	75.50	87.6	28.4	2.2	3.9	2.5	0.3
Turner T48	Turner Hybrid Seed Corn Co., Grand Junction	4,000	99.23	78.36	88.5	25.6	1.7	13.6	3.1	0.0
Iowa Hybrid 4297	Iowa Corn & Small Grain Growers Assn., Ames	*	99.18	75.84	87.4	25.0	6.7	4.6	2.7	0.4
Iowa Hybrid 4412	Iowa Crop Improvement Assn., Ames	Comp.	99.15	76.74	85.9	26.6	5.3	6.1	2.9	0.0
DeKalb 404A	Iowa Corn & Small Grain Growers Assn., Ames	*	99.13	76.07	86.2	24.6	2.7	9.7	2.9	0.4
250	Cargill, Inc., Grinnell	16,000	99.10	76.06	79.9	26.0	5.4	5.4	2.9	0.3
C257	Clarke Hybrid Corn Co., Conrad	4,132	99.04	73.56	84.4	23.9	3.8	5.0	2.6	0.0
Pioneer 344	Iowa Corn & Small Grain Growers Assn., Ames	*	99.00	79.62	86.4	26.3	5.7	11.8	3.0	0.3
PAG 366B	Black & Abbott Farms, Walnut, Ill.	1,035	98.73	78.12	87.9	26.0	2.6	13.1	2.9	0.4
PAG 270	Associated Pfister Growers, Inc., Davenport	5,000	98.69	79.65	90.3	24.6	9.0	11.4	3.1	0.6
Tomahawk 60	Thompson Hybrid Corn Co., Inc., Belmond	3,766	98.66	74.64	85.0	23.4	5.3	7.3	2.8	0.0
Iowa Hybrid 4297	O. W. Johnson & Son, LeGrand	4,500	98.64	74.17	83.8	25.9	4.0	4.8	2.9	0.0
Iowa Hybrid 4316	Iowa Crop Improvement Assn., Ames	Comp.	98.56	76.67	87.6	25.4	3.3	10.9	3.0	0.4
PAG 35-2965	Wilson-Rininger Corn Co., Sac City	200	98.48	74.64	84.8	25.3	4.9	5.6	2.6	0.8
U47	United Hybrid Growers Assn., Shenandoah	100	98.43	74.79	85.4	26.2	3.6	6.6	3.3	0.1
Farmers 427A	Iowa Corn & Small Grain Growers Assn., Ames	*	98.33	79.99	87.4	26.5	7.6	12.5	2.9	0.1
Funk G-45	Funk Bros. Seed Co., Belle Plaine	2,669	98.24	75.70	85.7	25.6	3.9	9.1	3.1	0.5
251	Cargill, Inc., Grinnell	1,100	98.09	77.11	84.8	26.4	5.4	9.7	2.9	0.7
H-42	Holden Foundation Hybrids, Williamsburg	270	97.89	77.67	89.9	26.6	4.2	12.5	2.8	0.3
C258	Clarke Hybrid Corn Co., Conrad	6,165	97.55	73.03	87.1	25.1	6.0	4.7	2.8	0.2
PAG 299	Iowa Corn & Small Grain Growers Assn., Ames	*	97.54	76.84	89.0	25.8	5.4	11.9	2.7	0.0
Pioneer 322	Pioneer Hi-Bred Corn Co., Des Moines	4,800	97.07	75.14	84.8	23.7	1.7	16.1	2.9	0.1
Pioneer 350	Iowa Corn & Small Grain Growers Assn., Ames	*	97.06	72.50	85.3	25.6	0.9	9.6	3.1	0.1
Farmers 322	Farmers Hybrid Seed Corn Co., Hampton	10,500	96.83	74.22	83.0	28.5	5.2	5.9	2.5	0.0
PAG 253	North Corn Belt Seed Growers, Naperville, Ill.	5,000	96.23	71.25	82.6	25.7	3.9	6.7	2.6	0.0
Indiana Hybrid 608C	Iowa Crop Improvement Assn., Ames	Comp.	96.08	76.13	87.1	27.3	7.3	10.5	2.9	0.4
U40	United Hybrid Growers Assn., Shenandoah	7,000	95.97	71.14	80.2	26.0	4.8	6.1	2.7	0.0
PAG 170	Pfister Associated Growers, Inc., Monroe	18,000	95.81	75.02	87.0	26.9	7.7	9.8	3.1	0.3
Funk 10562	Funk Bros. Seed Co., Belle Plaine	220	95.75	74.14	83.8	27.9	9.2	5.3	2.9	0.9
Heim 600C	Heim Hybrid Seed Corn Co., Lake City	60	95.55	67.87	80.7	25.6	4.1	2.1	2.6	0.2
215-H	Holden Hybrid Seed Farms, Tipton	1,500	95.48	75.08	86.9	28.8	5.8	10.6	2.9	0.1
Iowa Hybrid 306	Iowa Crop Improvement Assn., Ames	Comp.	95.36	75.75	87.6	26.1	8.9	11.9	3.1	1.0
Iowa Hybrid 4537	Agronomy (FC) & U.S.D.A., Ames	8 lb.	94.86	64.94	78.9	26.0	0.4	1.7	3.0	0.3
5220	J. M. Hunt & Son, Ackley	55	89.46	70.06	82.3	24.1	10.5	19.7	2.9	0.1
Average of all entries				77.53	86.6	25.7	4.0	7.3	2.8	0.2

* Widely grown hybrids as determined by a survey of farmers.

† Differences in yield between any two entries of less than 4.24 bushels an acre are not considered significant.

TABLE 10. SOUTH CENTRAL SECTION 1951

Average performance of 81 hybrids tested at Mapleton (Dist. 7), Slater (Dist. 8), and Durant (Dist. 9).

Hybrid	Name and address of entrant	Bushels available for plant- ing in 1951	Perform- ance score	Acre yield bu.†	Stand pct.	Moist. pct.	Lodging pct. root stalk	Ear ht.	Drop† ears pct.
AES 801(Ia. 4527)	Agromony (FC) & U.S.D.A., Ames	14 lb.	112.87	81.29	89.4	29.2	6.3	3.5	0.5
C-25	Carlson Hybrid Corn Co., Audubon	100	110.31	82.21	87.6	26.0	11.1	8.5	1.9
Tomahawk 80	Thompson Hybrid Corn Co., Inc., Belmond	1,799	108.25	79.88	91.7	27.4	10.8	8.5	2.2
Iowa Hybrid 4517	Agromony (FC) & U.S.D.A., Ames	10 lb.	107.37	80.63	84.8	28.3	16.3	5.8	1.1
PAG Ex4341	Pfister Associated Growers, Inc., Aurora, Ill.	200	106.48	80.30	87.5	24.8	20.1	6.7	1.4
Pioneer 301	Garst & Thomas Hybrid Corn Co., Coon Rapids	9,442	105.20	80.47	91.0	27.1	21.1	6.9	0.8
307H	Harper Hardy Hybrids, Vinton	300	105.16	78.63	87.7	25.4	20.8	6.1	0.8
Bear OK-50	Bear Hybrids Corn Co., Decatur, Ill.	1,000	104.96	81.63	86.6	27.0	21.3	9.2	0.7
825	W. O. McCurdy & Sons, Fremont	600	104.79	73.85	85.6	27.8	9.9	8.1	3.2
Iowa Hybrid 4531	Agromony (FC) & U.S.D.A., Ames	6 lb.	104.61	77.12	86.3	28.9	11.6	10.8	1.2
Pioneer X6035	Pioneer Hi-Bred Corn Co., Des Moines	55	104.58	81.57	86.2	26.7	26.4	5.3	0.6
J-24	Jacobsen Hybrid Corn Co., Lake View	450	104.57	76.82	87.7	27.1	18.5	5.3	2.8
Cornelius C66	Cornelius Hybrid Corn Co., Bellevue	100	103.93	78.25	89.5	25.2	18.2	11.2	0.5
117M	W. O. McCurdy & Sons, Fremont	1,100	103.92	76.86	89.8	26.4	13.5	12.5	3.1
Coppock 52A	Marion Coppock, Ankeny	700	103.69	81.37	87.9	24.6	25.1	10.3	0.7
Federal 155	Federal Hybrids, Marion	1,200	103.58	76.27	87.5	26.6	12.9	12.7	3.1
Ohio Hybrid C92	Iowa Corn & Small Grain Growers Assn., Ames	*	103.38	76.12	90.6	27.6	18.1	7.0	0.7
U47A	United Hybrid Growers Assn., Shenandoah	6,000	103.23	76.11	87.0	25.0	17.0	10.9	0.4
PAG 392	Pfister Associated Growers, Inc., Monroe	6,000	103.20	76.18	88.3	25.6	17.3	9.8	3.1
987M	W. O. McCurdy & Sons, Fremont	2,000	102.75	75.06	88.8	26.5	16.5	9.4	0.8
C277	Clarke Hybrid Corn Co., Conrad	1,738	102.61	70.87	85.7	25.3	11.3	9.3	2.9
Funk G-37	Funk Bros. Seed Co., Belle Plaine	7,579	102.31	72.56	86.2	27.5	9.2	12.5	3.4
U59	United Hybrid Growers Assn., Shenandoah	7,500	102.02	72.17	85.8	29.4	10.4	9.7	3.3
Tomahawk 85	Thompson Hybrid Corn Co., Inc., Belmond	1,867	102.00	77.53	86.1	26.1	13.6	17.6	2.8
Cornhusker 75	Cornhusker Hybrid Co., Fremont, Nebr.	13,500	101.89	75.96	89.9	26.4	18.8	10.5	0.8
U52	United Hybrid Growers Assn., Shenandoah	6,000	101.64	76.82	89.1	25.5	20.3	11.9	3.1
PAG 347	Arthur Walter Seed Co., Grand Ridge, Ill.	8,000	101.53	76.57	91.3	25.1	19.7	12.4	2.8
Iowa Hybrid 4385	Iowa Crop Improvement Assn., Ames	Comp.	101.50	69.66	83.3	25.4	13.9	7.6	3.3
Cornhusker 148	Cornhusker Hybrid Co., Fremont, Nebr.	37,500	101.39	77.31	83.3	26.6	25.6	6.7	3.0
W-205A	Wilson Hybrids, Inc., Harlan	3,000	101.18	78.71	90.0	27.2	23.9	10.5	2.9
U. S. Hybrid 35	Iowa Crop Improvement Assn., Ames	Comp.	101.14	72.71	87.7	27.5	15.0	10.1	3.1
W-310	Wilson Hybrids, Inc., Harlan	1,000	101.06	75.96	86.0	27.0	19.3	11.2	2.9
Pioneer 350B	Iowa Corn & Small Grain Growers Assn., Ames	*	101.04	78.11	87.6	23.9	24.1	12.9	3.0
Turner S57	Turner Hybrid Seed Corn Co., Grand Junction	4,000	100.86	73.22	81.4	27.7	14.9	11.2	3.4
Federal 41	Federal Hybrids, Marion	50	100.57	73.90	85.4	26.3	21.3	7.8	3.1
Heim 609C	Heim Hybrid Seed Corn Co., Lake City	700	100.37	77.22	88.3	27.4	23.9	10.0	2.7
77-H	Holden Hybrid Seed Farms, Tipton	1,500	99.99	77.72	90.6	26.9	21.7	14.2	3.3
112A	Corn & Small Grain Growers Assn., Ames	*	99.79	73.56	86.2	26.6	18.0	12.0	3.0
Crow Deep Root	Crow Hybrid Corn Co., Nevada	15,000	99.72	69.29	84.5	23.6	21.7	5.1	2.7
Funk G-65	Funk Bros. Seed Co., Belle Plaine	1,471	99.70	75.14	82.1	26.3	21.0	12.2	2.9

Heim 609C	Holden Hybrid Seed Corn Co., Lake City	700	100.37	77.22	88.3	27.4	23.9	10.0	2.7	0.9
77-H	Holden Hybrid Seed Farms, Tipton	1,500	99.99	77.72	90.6	26.9	21.7	14.2	3.3	1.1
Pioneer 339	Iowa Corn & Small Grain Growers Assn., Ames	*	99.79	73.56	86.2	26.6	18.0	12.0	3.0	1.5
Robinson and Hutchcroft: The 1951 Iowa corn yield test										
Crow Deep Root	Crow Hybrid Corn Co., Nevada	15,000	99.72	69.29	84.5	23.6	21.7	5.1	2.7	0.6
Funk G-65	Funk Bros. Seed Co., Belle Plaine	1,471	99.70	75.14	82.1	26.3	21.0	12.2	2.9	1.0
Ohio Hybrid C92	Iowa State Hybrid Corn Co., Elkhart	500	99.69	75.93	88.5	27.2	25.0	8.7	3.4	0.6
Iowa Hybrid 4525	Agronomy (FC) & U.S.D.A., Ames	7 lb.	99.62	81.13	88.3	28.7	28.0	12.5	2.9	0.3
Funk G-54	Funk Bros. Seed Co., Belle Plaine	2,522	99.62	74.16	86.1	28.3	21.7	7.6	2.9	2.8
Farmers 555	Farmers Hybrid Seed Corn Co., Hampton	1,800	99.55	71.68	83.6	27.7	16.7	10.1	3.0	1.1
Pioneer 300	Pioneer Hi-Bred Corn Co., Des Moines	5,700	99.47	78.24	89.4	29.0	18.9	17.2	3.4	0.3
Iowa Hybrid 4298	Iowa Crop Improvement Assn., Ames	Comp.	99.45	75.12	88.1	26.2	23.0	11.0	2.9	0.7
Ohio Hybrid C92	J. H. Isenhardt, Batavia	1,900	99.41	73.66	86.0	27.4	21.9	8.6	3.1	0.8
H-3	Holden Foundation Hybrids, Williamsburg	60	99.40	69.60	82.4	27.1	15.1	9.5	3.3	1.0
57-H	Holden Hybrid Seed Farms, Tipton	800	99.14	67.45	85.6	29.3	14.4	4.9	2.9	2.1
C-22	Carlson Hybrid Corn Co., Audubon	1,500	98.99	74.06	87.1	27.9	17.6	13.9	3.1	1.2
Maygold 49	Earl E. May Seed Co., Shenandoah	12,600	98.95	71.81	80.6	28.2	14.3	13.6	3.2	1.1
333	Cargill, Inc., Grinnell	490	98.85	78.06	88.8	27.7	27.9	10.3	3.2	1.2
Maygold 59	Earl E. May Seed Co., Shenandoah	3,000	98.79	69.77	87.3	26.7	15.8	10.8	3.3	1.0
Moews 14	Iowa Corn & Small Grain Growers Assn., Ames	*	98.76	75.38	87.1	24.7	22.3	15.0	2.9	0.8
Pioneer 300	Garst & Thomas Hybrid Corn Co., Coon Rapids	125,000	98.67	79.74	88.6	28.3	23.1	17.8	3.3	0.7
U53	United Hybrid Growers Assn., Shenandoah	150	98.67	73.58	83.5	29.4	22.7	7.4	2.9	1.2
CH-58	Christoffersen & Son, Audubon	300	98.50	75.13	86.8	28.9	23.6	9.9	2.9	1.0
C320	Clarke Hybrid Corn Co., Conrad	1,174	98.43	69.10	82.8	25.1	15.6	12.0	3.0	1.7
PAG 347	Pfister Associated Growers, Inc., Monroe	12,000	98.36	70.24	82.3	24.4	21.6	9.0	2.7	0.9
Pioneer 350	Iowa Corn & Small Grain Growers Assn., Ames	*	98.06	75.10	87.0	24.0	21.3	17.8	3.0	0.8
U. S. Hybrid 13	Iowa Crop Improvement Assn., Ames	Comp.	98.05	73.20	83.1	29.0	19.9	11.2	3.4	1.9
PAG X874	Newcomer Hybrid Corn Co., N. Henderson, Ill.	550	97.78	75.71	88.3	25.1	22.5	16.5	3.4	2.9
Pioneer 340	Iowa Corn & Small Grain Growers Assn., Ames	*	97.41	70.12	84.8	25.5	16.0	15.3	2.7	1.1
Pioneer 336	Garst & Thomas Hybrid Corn Co., Coon Rapids	10,070	97.13	70.76	85.1	28.6	16.5	13.4	3.3	1.4
U49	United Hybrid Growers Assn., Shenandoah	6,700	96.26	67.75	85.7	27.8	17.8	10.7	3.3	0.3
Pioneer 335	Iowa Corn & Small Grain Growers Assn., Ames	*	96.09	79.35	88.5	27.1	38.0	9.3	2.9	0.8
Funk G-60	Funk Bros. Seed Co., Belle Plaine	7,590	96.03	66.93	86.2	28.4	18.4	8.6	3.3	0.8
Iowa Hybrid 4535	Agronomy (FC) & U.S.D.A., Ames	6 lb.	95.58	55.91	78.9	28.2	6.6	4.6	2.7	0.5
Pioneer 335	Pioneer Hi-Bred Corn Co., Des Moines	38,700	95.38	77.19	86.9	28.0	36.3	8.5	3.1	0.6
U50	United Hybrid Growers Assn., Shenandoah	1,500	95.34	64.61	77.3	24.6	19.6	9.1	3.1	0.6
DeKalb 627	Iowa Corn & Small Grain Growers Assn., Ames	*	94.76	75.03	88.3	25.0	32.5	13.3	2.6	0.4
300A	Cargill, Inc., Grinnell	6,000	94.68	72.91	88.6	27.4	24.3	15.7	2.7	1.5
PAG Ex4506	Associated Pfister Growers, Inc., Davenport	350	94.66	72.51	86.1	27.4	23.5	16.2	2.7	1.0
Crow 660	Crow Hybrid Corn Co., Nevada	2,500	94.54	69.20	87.0	24.7	26.3	11.2	3.0	0.6
ACE 340-N	Eliason Seed Sales, West Liberty	200	94.35	75.99	84.9	27.2	23.7	21.6	3.3	2.8
Iowa Hybrid 4297	Iowa Corn & Small Grain Growers Assn., Ames	*	94.02	70.25	85.0	24.8	29.3	11.1	2.6	0.2
PAG 170	Associated Pfister Growers, Inc., Davenport	2,000	93.75	71.46	85.5	27.4	27.4	13.0	3.1	0.3
PAG 281	J. M. Hunt & Son, Ackley	300	93.37	70.70	86.3	26.2	22.9	18.2	3.1	0.6
Farmers 488	Iowa Corn & Small Grain Growers Assn., Ames	*	91.89	68.95	84.3	28.8	27.3	11.8	3.1	1.4
337	Cargill, Inc., Grinnell	1,180	90.77	66.41	85.4	29.3	23.9	13.5	3.1	1.0
Farmers 509	Farmers Hybrid Seed Corn Co., Hampton	1,800	88.67	70.28	84.6	29.4	29.8	18.3	3.3	1.1
Average of all entries				74.44	86.5	26.9	19.9	10.9	3.0	1.1

* Widely grown hybrids as determined by a survey of farmers.

† Differences in yield between any two entries of less than 4.83 bushels an acre are not considered significant.

TABLE 11. SOUTHERN SECTION 1951
Average performance of 64 hybrids tested at Creston (Dist. 11) and Danville (Dist. 12).

Hybrid	Name and address of entrant	Bushels available for plant- ing in 1951	Perform- ance score	Acre yield bu.†	Stand pct.	Moist. pct.	Lodging pct. root stalk	Ear ht.	Drop'd ears pct.
Maygold 50A	Earl E. May Seed Co., Shenandoah	60	115.27	81.99	93.2	22.6	7.6 9.4	2.9	0.2
Bear OK-89	Bear Hybrids Corn Co., Decatur, Ill.	500	113.71	83.21	92.5	24.5	19.2 6.5	3.1	0.5
C318	Clarke Hybrid Corn Co., Conrad	167	109.90	83.05	93.5	20.7	17.8 11.7	3.0	0.6
Maygold 59A	Earl E. May Seed Co., Shenandoah	19,600	109.27	86.53	91.4	22.0	26.3 7.6	3.1	0.6
Federal 40	Federal Hybrids, Marion	50	107.57	85.09	93.5	21.5	26.9 8.9	3.0	0.3
Dockendorff 13A	Wm. Dockendorff & Sons, Danville	550	107.28	89.00	95.4	23.1	25.9 13.7	2.9	0.7
Farmers 588	Farmers Hybrid Seed Corn Co., Hampton	3,000	107.20	81.18	89.4	22.3	21.7 9.6	3.0	0.5
P121	Pittmann Farm Seeds, Avoca	1,800	107.12	83.87	91.3	24.4	18.7 14.5	2.8	0.2
123-1	W. O. McCurdy & Sons, Fremont	600	106.90	85.01	95.0	25.1	23.5 10.7	2.9	0.7
Isenhardt 141	J. H. Isenhardt, Batavia	250	106.81	90.67	96.0	24.1	31.8 10.0	3.0	0.3
Null N-68	Null Seed Farms, Colchester, Ill.	345	106.27	87.19	92.5	22.9	34.4 5.4	3.0	0.0
M13	Munson Hybrids, Galesburg, Ill.	1,000	106.13	85.82	95.0	23.1	26.8 11.4	3.0	0.4
ACE 233	Eliason Seed Sales, West Liberty	325	106.04	77.04	92.9	22.3	14.8 13.9	3.1	0.5
Maygold 47	Earl E. May Seed Co., Shenandoah	4,000	105.15	85.42	91.8	23.5	26.9 12.4	3.0	0.2
124-H	Holden Hybrid Seed Farms, Tipton	300	104.54	82.32	94.7	23.1	27.1 10.0	3.0	0.4
124-2	W. O. McCurdy & Sons, Fremont	1,400	104.23	75.89	91.4	20.3	23.7 8.7	3.0	0.0
Funk G-95	Funk Bros. Seed Co., Belle Plaine	2,079	104.17	85.35	92.2	22.6	26.8 14.9	3.0	0.2
Cornhusker 63	Cornhusker Hybrid Co., Fremont, Nebr.	5,280	103.56	77.52	87.5	21.5	27.6 7.0	2.9	0.2
PAG Ex4343	Pfister Associated Growers, Inc., Monroe	1,200	103.21	82.10	92.6	20.3	33.3 8.1	3.0	0.5
Ohio Hybrid C92	Iowa Corn & Small Grain Growers Assn., Ames	*	102.65	81.58	91.1	21.6	33.5 7.3	3.0	0.3
U. S. Hybrid 13	J. H. Isenhardt, Batavia	1,000	102.61	83.19	93.6	22.5	27.9 14.2	2.8	0.6
Turner T60	Turner Hybrid Seed Corn Co., Grand Junction	1,800	102.56	80.52	95.1	21.7	31.7 8.0	3.0	0.4
Heim 950C	Heim Hybrid Seed Corn Co., Lake City	60	102.20	81.72	93.8	23.1	32.0 8.9	3.0	0.0
349	Cargill, Inc., Grinnell	2,200	101.85	83.98	93.6	24.4	28.3 14.7	2.9	0.6
PAG 392	Shrock Hybrid Corn Co., Congerville, Ill.	2,000	101.82	78.22	93.6	20.8	25.5 13.5	3.0	0.6
C-33	Carlson Hybrid Corn Co., Audubon	2,000	101.81	78.67	93.3	22.6	21.0 17.0	2.8	1.8
Funk G-94	Iowa Corn & Small Grain Growers Assn., Ames	*	101.36	79.66	89.0	22.0	22.2 18.6	3.0	0.6
W-300	Wilson Hybrids, Inc., Harlan	5,000	101.31	74.48	91.9	22.1	25.1 9.7	3.0	0.3
CH-68	Christoffersen & Son, Audubon	350	101.29	80.82	94.6	23.1	31.7 9.7	2.8	0.6
Iowa Hybrid 4385	Iowa Crop Improvement Assn., Ames	Comp.	101.26	78.75	93.8	21.5	32.3 8.0	3.1	0.3

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Pioneer 302	Garst & Thomas Hybrid Corn Co., Coon Rapids	25,000	100.91	82.54	94.4	25.7	36.3	5.9	3.2	0.6
Tomahawk 92	Thompson Hybrid Corn Co., Inc., Belmond	1,466	100.84	80.36	94.3	22.0	28.1	19.4	3.0	0.4
218-B	Holden Hybrid Seed Farms, Tipton	1,100	100.63	79.72	95.6	20.8	30.5	12.7	2.9	0.0
Crow 608	Crow Hybrid Corn Co., Nevada	1,500	100.49	72.71	83.9	21.3	24.3	10.4	3.0	0.5
Pioneer X7482	Pioneer Hi-Bred Corn Co., Des Moines	57	100.35	84.25	94.2	22.0	38.1	10.0	2.7	0.2
U. S. Hybrid 35	Iowa Crop Improvement Assn., Ames	Comp.	100.05	79.67	92.8	23.2	31.4	10.9	3.0	0.5
Tweedy 66	R. J. Tweedy & Sons, Mt. Pleasant	50	100.03	78.52	95.1	23.0	26.1	15.0	3.0	0.4
U. S. Hybrid 13	Lincoln Seed Co., Pacific Junction	1,000	99.89	80.56	94.0	24.4	25.4	17.3	3.2	0.7
Pioneer 339	Iowa Corn & Small Grain Growers Assn., Ames	*	99.60	75.81	92.6	21.7	28.8	11.1	2.9	0.2
Iowa-Missouri 375A	Iowa-Missouri Hybrid Corn Co., Keosauqua	1,341	99.43	85.00	95.0	23.2	35.5	14.2	2.9	0.3
Turner S53	Turner Hybrid Seed Corn Co., Grand Junction	2,000	99.23	80.07	93.5	24.7	28.7	14.6	3.0	0.5
Meyer 591	Winterset Hybrid Co., Winterset	475	99.12	78.12	96.8	22.0	22.2	20.8	2.7	0.7
H-44	Holden Foundation Hybrids, Williamsburg	100	98.97	83.39	95.8	23.6	33.5	14.9	3.0	0.3
DeKalb 847	Iowa Corn & Small Grain Growers Assn., Ames	*	98.68	80.05	91.0	21.6	35.7	10.8	2.9	0.3
U. S. Hybrid 13	Iowa Corn & Small Grain Growers Assn., Ames	*	98.34	81.66	92.6	22.8	31.2	16.9	3.1	0.6
U57	United Hybrid Growers Assn., Shenandoah	5,400	98.20	78.22	91.1	21.2	35.4	10.2	2.9	0.5
PAG 185	Missouri-Pfister Growers, Inc., Carrollton, Mo.	2,000	97.66	75.82	89.9	21.5	31.7	11.9	2.9	0.5
Pioneer 301	Pioneer Hi-Bred Corn Co., Des Moines	3,360	97.05	88.49	93.5	21.9	48.7	10.6	3.0	0.0
350	Cargill, Inc., Grinnell	7,500	96.15	79.88	90.6	22.4	32.4	17.9	3.0	1.1
Funk G-99	Funk Bros. Seed Co., Belle Plaine	1,587	96.08	81.77	94.0	25.0	41.1	9.9	3.0	0.3
U-BBF50	United Hybrid Growers Assn., Shenandoah	1,300	95.47	73.81	84.3	22.1	29.7	15.3	2.8	0.2
DeKalb 800A	Iowa Corn & Small Grain Growers Assn., Ames	*	93.60	75.97	93.5	22.7	32.7	17.8	3.1	0.3
Harper 400H	Harper Hardy Hybrids, Vinton	300	92.91	81.83	96.3	19.5	45.6	15.4	2.5	0.0
U62A	United Hybrid Growers Assn., Shenandoah	1,000	92.75	72.72	90.6	25.5	27.2	19.2	2.8	0.3
U50A	United Hybrid Growers Assn., Shenandoah	5,500	92.38	72.15	90.6	21.2	38.8	10.7	2.8	0.0
Iowa Hybrid 4513	Iowa Crop Improvement Assn., Ames	Comp.	92.17	74.92	91.5	22.3	36.7	15.6	2.8	0.0
Pioneer 336	Iowa Corn & Small Grain Growers Assn., Ames	*	91.20	76.33	92.9	22.6	37.4	18.1	3.0	0.3
PAG 170	Iowa Corn & Small Grain Growers Assn., Ames	*	91.15	79.02	91.9	21.1	46.2	13.6	3.0	0.3
Pioneer 300	Iowa Corn & Small Grain Growers Assn., Ames	*	89.64	78.79	93.5	24.7	44.9	14.9	3.0	0.5
U63A	United Hybrid Growers Assn., Shenandoah	90	88.82	79.12	89.6	28.2	42.8	16.4	3.2	0.0
U6 (white)	United Hybrid Growers Assn., Shenandoah	5,100	88.71	75.70	92.2	29.7	52.4	2.0	3.2	0.0
Pioneer 335	Iowa Corn & Small Grain Growers Assn., Ames	*	87.25	82.56	95.0	23.1	54.8	15.1	2.9	0.2
Pioneer 335	Garst & Thomas Hybrid Corn Co., Coon Rapids	39,350	86.80	78.32	90.7	23.3	49.8	15.8	2.8	0.3
Cornhusker 45	Cornhusker Hybrid Co., Fremont, Nebr.	1,050	80.45	73.73	93.2	26.8	62.7	6.9	3.2	0.2
Average of all entries				80.57	92.7	22.8	31.5	12.3	3.0	0.4

* Widely grown hybrids as determined by a survey of farmers.

† Differences in yield between any two entries of less than 3.86 bushels an acre are not considered significant.

TABLE 12. DISTRICT ONE

This table shows the performance of 81 hybrids tested near Sheldon in Sioux County.

Cooperator—Alvin Linch

Date planted—May 26, 1951

Date harvested—Nov. 8 and 9, 1951

Hybrid	Name and address of entrant	Bushels available for plant- ing in 1951	Perform- ance score	Acre yield bu.†	Stand pct.	Moist. pct.	Lodging pct. root stalk	Ear ht.	Drop'd ears pct.
214-B	Holden Hybrid Seed Farms, Tipton	1,500	110.30	57.30	90.0	37.1	1.5	2.6	0.4
Pioneer 349	Iowa Corn & Small Grain Growers Assn., Ames	*	106.53	52.44	92.7	35.7	0.0	1.8	0.4
Crow 407	Iowa Corn & Small Grain Growers Assn., Ames	*	105.96	53.33	88.7	37.1	0.4	4.1	0.4
Pioneer X7164	Pioneer Hi-Bred Corn Co., Des Moines	65	105.63	51.32	89.3	32.6	2.2	3.0	0.8
Maygold 1065	Earl E. May Seed Co., Shenandoah	60	104.97	51.70	90.7	37.1	1.1	1.1	0.4
Pioneer 349	Pioneer Hi-Bred Corn Co., Des Moines	73,100	104.42	50.93	94.0	36.4	0.0	2.1	1.1
Corn King 112	Malcom H. Grieve, Pierson	120	104.41	54.58	88.0	37.8	9.1	3.0	1.1
Tomahawk 42	Thompson Hybrid Corn Co., Inc., Belmond	5,052	104.14	49.92	89.3	33.8	0.0	3.0	1.9
Pioneer 349	Garst & Thomas Hybrid Corn Co., Coon Rapids	17,775	103.63	50.50	96.0	35.7	0.0	3.8	1.7
U32A	United Hybrid Growers Assn., Shenandoah	6,000	103.30	49.80	92.3	35.0	1.1	3.3	0.0
Funk G-30	Funk Bros. Seed Co., Belle Plaine	20,532	102.94	50.13	88.7	35.0	2.6	3.4	1.1
DeKalb 406	Iowa Corn & Small Grain Growers Assn., Ames	*	102.80	50.41	92.0	36.4	3.6	2.2	0.4
HOW	Epley Bros., Shell Rock	1,200	102.71	51.61	89.3	36.4	0.0	9.3	1.9
H-31	Holden Foundation Hybrids, Williamsburg	50	102.68	48.43	88.7	32.6	0.8	4.5	0.0
105-H	Holden Hybrid Seed Farms, Tipton	100	102.63	49.71	90.7	33.8	4.4	3.3	0.4
C217	Clarke Hybrid Corn Co., Conrad	2,904	102.34	49.03	83.3	35.0	0.8	3.6	0.8
DeKalb 410	Iowa Corn & Small Grain Growers Assn., Ames	*	102.26	49.97	86.0	35.0	4.3	3.9	0.0
Farmers 427A	Iowa Corn & Small Grain Growers Assn., Ames	*	102.22	50.22	88.7	37.8	1.1	3.8	0.4
Cornhusker 83	Cornhusker Hybrid Co., Fremont, Nebr.	5,800	101.96	49.25	90.7	36.4	2.6	1.8	0.7
Iowa Hybrid 4483	Agronomy (FC) & U.S.D.A., Ames	11 lb.	101.95	47.31	90.0	30.4	2.6	4.4	0.0
Cornhusker 85	Cornhusker Hybrid Co., Fremont, Nebr.	9,940	101.84	48.72	88.7	36.4	0.4	3.0	0.0
Pioneer 352	Iowa Corn & Small Grain Growers Assn., Ames	*	101.81	48.92	88.0	36.4	1.1	2.3	1.5
Funk G-114	Funk Bros. Seed Co., Belle Plaine	6,984	101.57	49.00	90.7	36.4	1.8	3.3	2.2
C-8	Carlson Hybrid Corn Co., Audubon	4,029	101.26	47.42	89.0	35.7	0.0	1.9	0.0
Pioneer X7278	Pioneer Hi-Bred Corn Co., Des Moines	1,600	101.23	48.18	91.3	33.1	0.0	6.9	3.0
DeKalb 404A	Iowa Corn & Small Grain Growers Assn., Ames	*	101.21	49.40	85.7	35.7	2.0	6.2	0.8
PAG 299	J. M. Hunt & Son, Ackley	7,500	101.09	49.91	92.3	37.8	3.3	4.3	2.4
U37A	United Hybrid Growers Assn., Shenandoah	1,100	101.09	49.36	88.7	37.1	1.9	4.9	2.8
DeKalb 241	Iowa Corn & Small Grain Growers Assn., Ames	*	101.08	47.54	90.7	32.6	1.5	5.5	3.0
Pioneer 344	Pioneer Hi-Bred Corn Co., Des Moines	12,180	101.06	50.31	88.0	37.1	1.9	7.6	2.8
PAG 282	North Corn Belt Seed Growers, Naperville, Ill.	600	101.05	47.82	90.3	35.7	1.1	2.2	2.8
N150	Cargill, Inc., Grinnell	250	100.93	49.07	93.0	35.0	4.7	4.7	2.4
Pioneer 352	Pioneer Hi-Bred Corn Co., Des Moines	58,300	100.55	48.61	89.0	37.1	2.6	3.4	2.2
Federal 300	Federal Hybrids, Marion	1,000	100.54	47.78	91.0	35.7	3.3	1.5	2.6
96M	W. O. McCurdy & Sons, Fremont	2,000	100.29	46.27	89.0	32.6	0.4	4.9	2.6
Funk G-28	Iowa Crop Improvement Assn., Ames	Comp.	100.28	47.80	85.7	36.4	0.0	4.7	3.0
Funk G-28	Harlan Hybrids, Inc., Harlan	8,000	100.10	48.79	85.0	35.7	2.0	7.4	2.5
Funk G-28	Funk Bros. Seed Co., Belle Plaine	6,203	99.96	48.40	83.3	36.4	0.0	8.0	2.6

95M	W. O. McCurdy & Sons, Fremont	2,000	100.29	46.27	89.0	32.6	0.4	4.9	2.6	0.8
Iowa Hybrid 4316	Iowa Crop Improvement Assn., Ames	Comp.	100.28	47.80	85.7	36.4	0.0	4.7	3.0	1.2
W-145	Wilson Hybrids, Inc., Harlan	8,000	100.10	48.79	85.0	35.7	2.0	7.4	2.5	1.5
Funk G-28	Funk Bros. Seed Co., Belle Plaine	6,303	99.86	48.40	83.3	36.4	0.0	8.0	2.6	0.4
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Funk 94420	Funk Bros. Seed Co., Belle Plaine	125	99.85	44.76	90.0	31.6	0.0	3.0	2.0	0.7
J-10	Jacobsen Hybrid Corn Co., Lake View	600	99.70	45.46	87.3	32.6	1.9	2.3	2.4	1.2
CH-38	Christoffersen & Son, Audubon	450	99.61	46.60	94.3	36.4	0.0	3.2	2.8	0.4
Iowa Hybrid 4441	Iowa Crop Improvement Assn., Ames	Comp.	99.57	45.37	89.0	30.4	0.8	6.7	2.8	1.1
PAG 277	Black & Abbott Farms, Walnut, Ill.	4,000	99.32	46.92	81.3	36.4	0.4	4.5	2.8	0.8
PAG Ex4199	Pfister Associated Growers, Inc., Aurora, Ill.	200	99.00	47.76	92.7	36.4	4.7	4.3	2.6	0.0
Iowa Hybrid 4417	Iowa Crop Improvement Assn., Ames	Comp.	98.89	46.49	89.3	29.1	8.2	7.5	2.2	0.0
Funk G-6	Iowa Corn & Small Grain Growers Assn., Ames	*	98.71	43.44	84.0	29.4	1.2	4.0	2.0	1.2
C-7	Carlson Hybrid Corn Co., Audubon	1,000	98.68	44.74	83.7	32.6	1.2	4.4	2.8	0.0
PAG 270	Wilson-Rininger Corn Co., Sac City	1,800	98.59	46.80	92.3	36.4	1.1	5.4	3.0	1.4
Funk G-1A	Funk Bros. Seed Co., Belle Plaine	15,412	98.47	43.13	86.0	29.4	0.8	4.7	2.0	0.0
Crow 260	Crow Hybrid Corn Co., Nevada	2,200	98.46	44.56	79.3	33.1	0.0	4.6	2.0	0.4
Farmers 223	Farmers Hybrid Seed Corn Co., Hampton	3,700	98.45	45.58	86.3	31.6	0.8	9.3	2.0	0.8
U39	United Hybrid Growers Assn., Shenandoah	3,000	98.45	46.20	88.0	36.4	2.7	2.3	2.4	1.5
Turner T12A	Turner Hybrid Seed Corn Co., Grand Junction	2,000	98.44	44.27	90.0	32.6	1.5	3.0	2.0	0.7
Mellowdent 89	J. N. Horlacher & Son, Storm Lake	54	98.36	45.24	90.0	36.4	0.0	2.6	2.6	0.4
Heim 650C	Heim Hybrid Seed Corn Co., Lake City	55	98.29	45.22	88.7	35.0	1.9	2.6	2.0	0.8
Federal 300A	Federal Hybrids, Marion	1,000	98.28	45.18	91.0	35.0	0.0	4.0	2.8	1.5
W-77	Wilson Hybrids, Inc., Harlan	500	98.17	44.09	90.3	29.8	4.1	4.8	2.2	0.4
C17	Clarke Hybrid Corn Co., Conrad	1,150	98.10	44.86	85.7	35.7	0.0	2.7	2.6	1.2
Cornelius 404	Cornelius Hybrid Corn Co., Bellevue	850	98.09	47.30	90.7	37.1	3.3	5.9	3.0	0.4
Funk G-68	Funk Bros. Seed Co., Belle Plaine	2,153	98.09	45.02	82.0	33.1	2.0	5.3	2.4	0.4
Pioneer 348	Pioneer Hi-Bred Corn Co., Des Moines	5,500	98.06	46.16	91.3	36.4	2.2	4.4	2.8	0.4
Turner T27	Turner Hybrid Seed Corn Co., Grand Junction	1,100	97.87	43.93	86.0	32.6	0.0	5.4	2.0	0.0
U36	United Hybrid Growers Assn., Shenandoah	7,000	97.79	45.03	88.0	36.4	0.4	3.0	2.4	0.8
328	Cargill, Inc., Grinnell	1,800	97.70	45.44	88.0	36.4	0.4	4.9	3.0	0.4
45-H	Holden Hybrid Seed Farms, Tipton	1,200	97.70	45.63	88.7	37.1	1.9	3.0	3.0	0.4
200	Cargill, Inc., Grinnell	2,200	97.61	46.16	88.0	36.4	3.4	4.6	2.6	0.4
Maygold 99A	Earl E. May Seed Co., Shenandoah	7,200	97.59	48.68	89.7	36.4	10.8	5.6	2.8	0.4
Exp. W-H	J. M. Hunt & Son, Ackley	500	97.52	45.46	86.3	32.6	5.4	5.8	2.2	0.8
95M	W. O. McCurdy & Sons, Fremont	5,000	97.40	43.88	82.0	33.1	0.8	4.9	2.2	0.4
Mellowdent M88	Louis Quirin, Alta	53	97.30	45.44	84.3	36.4	0.8	5.9	2.8	0.0
Funk G-68A	Funk Bros. Seed Co., Belle Plaine	1,322	97.24	44.73	87.0	33.1	3.1	6.1	2.0	0.0
Farmers 388	Iowa Corn & Small Grain Growers Assn., Ames	*	97.24	45.60	85.0	36.4	0.0	7.1	2.8	0.8
Pioneer 372	Garst & Thomas Hybrid Corn Co., Coon Rapids	50	97.17	44.80	90.0	34.4	4.1	3.0	2.8	1.9
PAG 253	Pfister Associated Growers, Inc., Monroe	2,500	97.13	45.04	88.7	37.1	0.8	4.1	2.8	0.0
Tomahawk 30	Thompson Hybrid Corn Co., Inc., Belmond	1,496	96.74	44.21	86.7	35.7	0.4	4.6	2.8	0.8
B50	Blaney Seed Farms, Madison, Wis.	50	96.73	42.60	89.0	27.9	1.9	9.4	2.0	0.0
Iowa Hybrid 4297	Harper Hardy Hybrids, Vinton	2,000	95.45	42.83	85.7	36.4	0.0	3.9	2.8	0.0
U33	United Hybrid Growers Assn., Shenandoah	80	95.25	42.37	87.3	33.1	2.3	5.3	2.8	0.0
C15	Clarke Hybrid Corn Co., Conrad	172	95.06	43.08	84.3	35.7	0.4	5.9	3.0	1.2
111M	W. O. McCurdy & Sons, Fremont	1,500	95.06	44.10	90.0	37.8	1.1	5.9	2.6	0.4
U32	United Hybrid Growers Assn., Shenandoah	5,600	93.97	43.47	91.0	36.4	0.0	10.3	2.8	0.7
Average of all entries				47.27	88.5	34.8	1.8	4.5	2.6	0.6

* Widely grown hybrids as determined by a survey of farmers.

† Differences in yield between any two entries of less than 3.61 bushels an acre are not considered significant.

TABLE 13. DISTRICT TWO

This table shows the performance of 81 hybrids tested near Mason City in Cerro Gordo County.

Cooperator—Earl Dean

Date planted—May 23, 1951

Date harvested—Nov. 13 and 14, 1951

Hybrid	Name and address of entrant	Bushels available for plant- ing in 1951	Perform- ance score	Acre yield bu.†	Stand pct.	Moist. pct.	Lodging pct. root	Ear ht.	Drop'd ears pct
DeKalb-406	Iowa Corn & Small Grain Growers Assn., Ames	*	108.99	67.51	90.3	28.8	1.1	2.6	3.4
Pioneer 344	Pioneer Hi-Bred Corn Co., Des Moines	12,180	108.99	69.77	92.3	33.1	0.0	3.6	3.6
Pioneer X7278	Pioneer Hi-Bred Corn Co., Des Moines	1,600	107.18	63.97	86.3	27.9	0.0	1.2	3.0
Pioneer 349	Garst & Thomas Hybrid Corn Co., Coon Rapids	17,775	106.71	64.66	89.3	27.1	0.0	5.6	3.0
Pioneer 352	Pioneer Hi-Bred Corn Co., Des Moines	58,300	106.45	65.57	90.3	31.1	0.0	3.3	3.2
105-H	Holden Hybrid Seed Farms, Tipton	100	106.41	64.66	91.0	28.8	0.0	4.0	3.0
Corn King 112	Malcom H. Grieve, Pierson	120	105.84	66.44	92.3	32.6	0.4	5.1	3.2
U32A	United Hybrid Growers Assn., Shenandoah	6,000	105.39	63.08	87.7	28.8	0.4	2.7	3.0
U32	United Hybrid Growers Assn., Shenandoah	5,600	105.37	62.95	90.7	28.8	0.0	2.9	3.0
DeKalb 241	Iowa Corn & Small Grain Growers Assn., Ames	*	104.61	64.08	90.0	28.5	0.7	7.4	3.4
U36	United Hybrid Growers Assn., Shenandoah	7,000	104.46	63.02	87.3	29.8	1.9	2.7	3.0
Maygold 1065	Earl E. May Seed Co., Shenandoah	60	104.37	63.94	87.7	34.4	0.0	1.1	3.0
Mellowdent M88	Louis Quirin, Alta	53	104.28	62.49	92.3	30.7	0.0	2.5	3.4
214-B	Holden Hybrid Seed Farms, Tipton	1,500	104.19	63.53	90.7	31.6	0.0	4.4	3.0
Pioneer 372	Garst & Thomas Hybrid Corn Co., Coon Rapids	50	103.53	62.28	91.0	29.7	3.7	1.8	3.4
Funk G-68A	Funk Bros. Seed Co., Belle Plaine	1,322	103.40	62.28	87.3	29.4	0.8	5.7	2.8
Tomahawk 42	Thompson Hybrid Corn Co., Inc., Belmond	5,052	103.32	62.63	91.3	31.6	0.0	4.7	3.6
Tomahawk 30	Thompson Hybrid Corn Co., Inc., Belmond	1,496	102.63	60.77	92.3	30.4	0.4	3.3	3.0
C217	Clarke Hybrid Corn Co., Conrad	2,904	102.60	62.58	91.7	30.7	0.0	8.0	3.2
PAG 282	North Corn Belt Seed Growers, Naperville, Ill.	600	102.56	60.70	89.3	30.7	0.0	3.0	3.4
Funk G-28	Funk Bros. Seed Co., Belle Plaine	6,203	102.23	62.84	87.3	32.1	0.0	8.0	3.2
Farmers 223	Farmers Hybrid Seed Corn Co., Hampton	3,700	102.08	60.35	88.7	27.4	0.8	7.5	3.2
Pioneer 349	Pioneer Hi-Bred Corn Co., Des Moines	73,100	101.93	59.40	87.7	30.0	0.0	2.7	3.0
Pioneer 352	Iowa Corn & Small Grain Growers Assn., Ames	*	101.90	61.18	88.0	32.6	0.4	3.4	3.0
Turner T27	Turner Hybrid Seed Corn Co., Grand Junction	1,100	101.88	59.59	89.3	27.1	0.0	7.1	3.0
PAG 277	Black & Abbott Farms, Walnut, Ill.	4,000	101.79	61.09	89.7	32.6	0.0	4.1	3.4
N150	Cargill, Inc., Grinnell	250	101.64	60.55	93.0	30.0	0.0	6.5	3.0
Funk G-1A	Funk Bros. Seed Co., Belle Plaine	15,412	101.63	59.43	87.7	27.4	0.4	6.8	2.6
W-145	Wilson Hybrids, Inc., Harlan	8,000	101.40	62.63	87.0	30.7	3.8	8.1	3.0
Pioneer 349	Iowa Corn & Small Grain Growers Assn., Ames	*	101.22	60.50	89.7	29.7	2.2	6.0	3.0
Pioneer 348	Pioneer Hi-Bred Corn Co., Des Moines	5,500	101.20	60.34	91.0	31.6	0.4	4.8	3.4
C17	Clarke Hybrid Corn Co., Conrad	1,150	101.13	60.94	89.0	31.6	0.0	7.1	3.2
Iowa Hybrid 4417	Iowa Crop Improvement Assn., Ames	Comp.	101.13	57.97	86.3	26.7	0.4	5.4	3.0
Iowa Hybrid 4483	Agronomy (FC) & U.S.D.A., Ames	11 lb.	101.09	58.33	82.7	27.9	0.0	5.2	2.6
C15	Clarke Hybrid Corn Co., Conrad	172	100.82	59.92	84.7	29.7	0.8	7.1	3.8
328	Cargill, Inc., Grinnell	1,800	100.73	60.07	88.3	32.6	0.8	3.8	3.6
Iowa Hybrid 4316	Iowa Crop Improvement Assn., Ames	Comp.	100.66	60.92	88.0	31.1	1.9	7.2	3.4
Pioneer 344	Pioneer Hi-Bred Corn Co., Des Moines	65	100.66	57.85	84.7	30.7	0.0	1.6	3.0
Funk G-30	Funk Bros. Seed Co., Belle Plaine	20,532	100.61	59.35	87.7	31.6	1.1	3.4	3.0

328	Cargill, Inc., Grinnell	1,800	100.73	60.07	88.3	32.6	0.8	3.8	3.6	0.4
Iowa Hybrid 4316	Iowa Crop Improvement Assn., Ames	Comp.	100.66	60.92	88.0	31.1	1.9	7.2	3.4	0.0
Pioneer X7164	Pioneer Hi-Bred Corn Co., Des Moines	65	100.66	57.85	84.7	30.7	0.0	1.6	3.0	0.0

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Funk G-30	Funk Bros. Seed Co., Belle Plaine	20,532	100.61	59.35	87.7	31.6	1.1	3.4	3.0	0.0
Funk G-6	Iowa Corn & Small Grain Growers Assn., Ames	*	100.55	57.04	84.0	26.5	0.0	5.6	2.8	0.0
Cornhusker 83	Cornhusker Hybrid Co., Fremont, Nebr.	5,800	100.41	60.00	91.0	35.0	0.0	2.2	3.4	0.0
H-31	Holden Foundation Hybrids, Williamsburg	50	100.26	57.98	84.3	30.7	0.0	3.2	3.0	0.0
U37A	United Hybrid Growers Assn., Shenandoah	1,100	100.20	62.50	88.0	29.7	4.9	11.7	3.2	0.0
96M	W. O. McCurdy & Sons, Fremont	2,000	100.01	57.57	88.3	31.1	0.0	2.3	3.0	0.0
J-10	Jacobsen Hybrid Corn Co., Lake View	600	99.70	58.11	88.3	30.7	0.0	5.3	3.0	0.0
Funk G-114	Funk Bros. Seed Co., Belle Plaine	6,984	99.55	58.97	85.3	32.6	3.5	2.0	3.0	0.0
Heim 650C	Heim Hybrid Seed Corn Co., Lake City	55	99.24	59.53	89.0	33.7	0.0	6.4	3.0	0.0
Crow 407	Iowa Corn & Small Grain Growers Assn., Ames	*	99.18	57.62	88.7	32.1	0.0	3.8	3.2	0.0
PAG Ex4199	Pfister Associated Growers, Inc., Aurora, Ill.	200	98.92	59.39	89.7	32.6	1.1	7.4	3.4	0.0
Funk G-68	Funk Bros. Seed Co., Belle Plaine	2,153	98.83	59.16	87.3	27.9	0.8	13.7	2.8	0.0
Maygold 99A	Earl E. May Seed Co., Shenandoah	7,200	98.80	58.48	84.3	31.6	2.8	4.7	3.2	0.8
PAG 253	Pfister Associated Growers, Inc., Monroe	2,500	98.73	56.89	85.7	31.6	0.4	3.5	3.0	0.0
Iowa Hybrid 4441	Iowa Crop Improvement Assn., Ames	Comp.	98.36	57.32	87.7	31.6	1.1	4.9	3.2	0.0
Cornhusker 85	Cornhusker Hybrid Co., Fremont, Nebr.	9,940	98.07	57.55	88.0	35.0	0.0	3.0	3.0	0.0
B50	Blaney Seed Farms, Madison, Wis.	50	98.04	55.68	88.3	26.4	0.0	9.8	3.0	0.0
DeKalb 410	Iowa Corn & Small Grain Growers Assn., Ames	*	97.74	58.35	89.3	30.4	2.6	9.7	3.4	0.4
HOW	Epley Bros., Shell Rock	1,200	97.59	57.16	88.7	33.1	0.0	6.0	3.2	0.0
Cornelius 404	Cornelius Hybrid Corn Co., Bellevue	850	97.44	56.93	85.0	32.6	3.1	3.5	3.4	0.0
Federal 300A	Federal Hybrids, Marion	1,000	97.44	55.65	92.0	32.1	0.0	4.0	3.2	0.0
Exp. W-H	J. M. Hunt & Son, Ackley	500	97.18	58.54	85.3	29.7	7.4	8.2	3.2	0.0
CH-38	Christoffersen & Son, Audubon	450	97.10	58.67	93.0	36.4	0.4	6.8	3.2	0.0
Farmers 388	Iowa Corn & Small Grain Growers Assn., Ames	*	96.85	56.67	83.0	32.6	0.4	7.2	3.0	0.4
PAG 299	J. M. Hunt & Son, Ackley	7,500	96.77	57.27	90.7	33.7	1.1	7.0	3.2	0.0
Crow 260	Crow Hybrid Corn Co., Nevada	2,200	96.76	54.61	83.0	31.1	1.2	3.2	3.0	0.4
111M	W. O. McCurdy & Sons, Fremont	1,500	96.68	53.73	85.7	30.0	0.4	3.5	3.0	0.4
Federal 300	Federal Hybrids, Marion	1,000	96.67	56.72	90.0	32.6	0.4	8.2	3.2	0.0
Farmers 427A	Iowa Corn & Small Grain Growers Assn., Ames	*	96.65	56.57	85.0	35.7	1.2	2.8	3.8	0.0
Turner T12A	Turner Hybrid Seed Corn Co., Grand Junction	2,000	96.60	55.92	89.3	30.7	0.0	9.0	3.0	0.4
U39	United Hybrid Growers Assn., Shenandoah	3,000	96.50	54.54	83.7	32.1	0.4	3.6	3.0	0.0
45-H	Holden Hybrid Seed Farms, Tipton	1,200	95.63	55.34	88.0	34.4	3.4	2.3	3.6	0.0
Iowa Hybrid 4297	Harper Hardy Hybrids, Vinton	2,000	95.29	55.65	91.7	32.6	2.9	6.9	3.2	0.4
Mellowdent 89	J. N. Horlacher & Son, Storm Lake	54	94.92	55.99	90.0	37.1	0.0	5.6	3.6	0.7
PAG 270	Wilson-Rininger Corn Co., Sac City	1,800	94.73	54.23	90.0	34.4	1.5	4.1	3.4	0.0
DeKalb 404A	Iowa Corn & Small Grain Growers Assn., Ames	*	94.52	52.80	89.0	33.7	0.0	2.6	3.0	1.5
C-7	Carlson Hybrid Corn Co., Audubon	1,000	94.42	52.31	81.3	30.0	1.2	6.2	3.2	0.0
W-77	Wilson Hybrids, Inc., Harlan	500	94.29	50.98	82.7	27.6	0.8	6.5	3.0	0.4
200	Cargill, Inc., Grinnell	2,200	94.08	55.10	82.3	32.6	1.2	10.9	3.6	0.4
Funk 94420	Funk Bros. Seed Co., Belle Plaine	125	94.08	51.75	82.3	30.4	0.0	6.5	3.0	0.0
95M	W. O. McCurdy & Sons, Fremont	5,000	91.90	52.42	87.0	30.7	0.4	14.2	3.2	0.0
U33	United Hybrid Growers Assn., Shenandoah	80	91.42	51.91	84.7	27.9	5.1	13.0	3.6	0.8
C-8	Carlson Hybrid Corn Co., Audubon	4,029	91.13	50.84	89.3	34.4	0.0	7.8	3.2	0.0
Average of all entries				59.07	88.0	31.0	0.9	5.4	3.2	0.1

* Widely grown hybrids as determined by a survey of farmers.

† Differences in yield between any two entries of less than 7.11 bushels an acre are not considered significant.

TABLE 14. DISTRICT THREE

This table shows the performance of 81 hybrids tested near Waukon in Allamakee County.

Cooperator—Frank Hager

Date planted—May 21, 1951

Date harvested—Nov. 15, 1951

Hybrid	Name and address of entrant	Bushels available for plant- ing in 1951	Perform- ance score	Acre yield bu.†	Stand pct.	Moist. pct.	Lodging pct. root stalk		Ears ht.	Drop'd ears pct.
Corn King 112	Malcom H. Grieve, Pierson	120	111.58	64.12	83.3	37.1	0.0	2.4	3.2	0.0
N150	Cargill, Inc., Grinnell	250	108.96	60.33	82.0	35.0	0.8	1.6	3.2	0.0
H-31	Holden Foundation Hybrids, Williamsburg	50	108.91	60.09	88.0	35.0	1.5	0.4	3.2	0.0
U32A	United Hybrid Growers Assn., Shenandoah	6,000	107.70	59.53	77.3	35.7	2.2	0.9	3.0	0.0
Pioneer 352	Iowa Corn & Small Grain Growers Assn., Ames	*	106.77	58.11	83.0	36.4	0.4	0.4	3.2	0.0
Pioneer 349	Pioneer Hi-Bred Corn Co., Des Moines	73,100	106.58	59.36	84.7	37.1	3.2	0.8	3.0	0.0
Pioneer 352	Pioneer Hi-Bred Corn Co., Des Moines	58,300	106.47	58.35	82.3	36.4	2.0	0.4	3.0	0.0
PAG 277	Black & Abbott Farms, Walnut, Ill.	4,000	106.22	58.56	77.3	35.7	4.7	0.0	3.6	0.0
Iowa Hybrid 4441	Iowa Crop Improvement Assn., Ames	Comp.	106.14	57.19	80.7	32.1	3.7	2.5	3.6	0.0
Maygold 99A	Earl E. May Seed Co., Shenandoah	7,200	105.77	60.79	83.3	36.4	10.4	1.2	3.4	0.0
Cornhusker 83	Cornhusker Hybrid Co., Fremont, Nebr.	5,800	105.75	56.70	81.7	35.7	0.4	0.4	3.0	0.0
Pioneer 349	Garst & Thomas Hybrid Corn Co., Coon Rapids	17,775	105.62	58.08	86.3	35.0	1.9	4.3	3.0	0.0
Pioneer 344	Pioneer Hi-Bred Corn Co., Des Moines	12,180	105.36	58.98	76.7	35.0	5.2	4.4	3.6	0.0
Funk G-68	Funk Bros. Seed Co., Belle Plaine	2,153	105.27	57.14	79.0	32.6	4.6	3.4	3.0	0.0
Mellowdent M88	Louis Quirin, Alta	53	105.07	57.26	78.7	35.0	4.2	1.3	3.4	0.0
C217	Clarke Hybrid Corn Co., Conrad	2,904	105.06	57.03	79.7	36.4	0.0	2.9	3.0	0.0
Maygold 1065	Earl E. May Seed Co., Shenandoah	60	104.93	58.55	77.7	36.4	6.0	1.7	3.2	0.0
Funk G-114	Funk Bros. Seed Co., Belle Plaine	6,984	104.87	57.83	83.7	35.7	4.8	2.0	3.0	0.0
HOW	Epley Bros., Shell Rock	1,200	104.85	56.50	82.0	36.4	1.2	0.8	3.2	0.0
Iowa Hybrid 4483	Agronomy (FC) & U.S.D.A., Ames	11 lb.	104.78	55.18	80.3	32.1	3.3	1.2	3.0	0.0
Crow 407	Iowa Corn & Small Grain Growers Assn., Ames	*	104.56	56.78	80.0	36.4	1.7	2.1	3.0	0.0
U32	United Hybrid Growers Assn., Shenandoah	5,600	104.35	58.28	81.7	35.0	7.8	2.9	3.4	0.0
Pioneer X7164	Pioneer Hi-Bred Corn Co., Des Moines	65	103.85	57.34	82.7	35.7	7.7	0.8	3.0	0.0
Pioneer 349	Iowa Corn & Small Grain Growers Assn., Ames	*	102.66	56.94	76.0	35.7	8.8	2.2	3.0	0.0
105-H	Holden Hybrid Seed Farms, Tipton	100	102.18	55.10	78.0	36.4	6.0	0.0	3.0	0.4
Pioneer 372	Garst & Thomas Hybrid Corn Co., Coon Rapids	50	102.08	52.59	77.7	33.7	1.3	1.7	3.0	0.0
Turner T27	Turner Hybrid Seed Corn Co., Grand Junction	1,100	102.03	53.87	82.3	32.6	7.3	1.2	3.0	0.0
Federal 300	Federal Hybrids, Marion	1,000	102.02	54.10	79.3	36.4	3.4	0.4	3.2	0.0
Turner T12A	Turner Hybrid Seed Corn Co., Grand Junction	2,000	101.88	53.60	81.7	33.7	3.7	2.9	3.0	0.0
Tomahawk 42	Thompson Hybrid Corn Co., Inc., Belmond	5,052	101.76	54.14	78.0	36.4	1.3	3.4	3.6	0.0
C-8	Carlson Hybrid Corn Co., Audubon	4,029	101.37	53.62	81.7	35.7	2.0	3.3	3.4	0.0
B50	Blaney Seed Farms, Madison, Wis.	50	101.31	51.76	80.7	29.4	4.6	4.6	3.0	0.0
DeKalb 404A	Iowa Corn & Small Grain Growers Assn., Ames	*	101.29	54.47	80.7	35.7	5.4	2.5	3.2	0.4
Heim 650C	Heim Hybrid Seed Corn Co., Lake City	55	100.95	52.72	82.3	35.7	2.0	2.0	2.8	0.0
C15	Clarke Hybrid Corn Co., Conrad	172	100.80	52.37	79.0	36.4	1.7	0.8	3.6	0.0
200	Cargill, Inc., Grinnell	2,200	100.75	57.15	81.0	36.4	13.6	2.9	3.2	0.0
U-14	United Hybrid Corn Co., Lake View	600	100.25	53.12	80.3	35.0	7.5	0.8	3.0	0.0
Funk G-28	Funk Bros. Seed Co., Belle Plaine	*	100.12	53.26	81.3	36.4	4.6	2.6	3.3	0.0

200	Conrad Hybrid Corn Co., Conrad	172	100.80	52.37	79.0	36.4	1.7	0.8	3.6	0.0
J-10	Cargill, Inc., Grinnell	2,200	100.75	57.15	81.0	36.4	13.6	2.9	3.2	0.0
DeKalb 406	Jacobsen Hybrid Corn Co., Lake View	600	100.25	53.12	80.3	35.0	7.5	0.8	3.0	0.0
	Iowa Corn & Small Grain Growers Assn., Ames	*	100.12	53.26	81.3	36.4	4.6	2.6	3.3	0.0
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Funk G-28	Funk Bros. Seed Co., Belle Plaine	6,203	100.00	54.44	77.3	37.1	6.0	3.9	3.0	0.0
Cornhusker 85	Cornhusker Hybrid Co., Fremont, Nebr.	9,940	99.98	53.37	77.7	37.1	5.6	1.3	3.6	0.0
328	Cargill, Inc., Grinnell	1,800	99.96	54.31	74.0	35.0	11.7	0.9	3.0	0.0
214-B	Holden Hybrid Seed Farms, Tipton	1,500	99.72	52.45	79.7	36.4	2.1	3.8	3.0	0.4
PAG 299	J. M. Hunt & Son, Ackley	7,500	99.72	53.10	75.7	36.4	4.0	4.0	3.6	0.0
Funk G-6	Iowa Corn & Small Grain Growers Assn., Ames	*	99.58	51.62	80.7	32.6	5.8	3.7	3.0	0.0
Funk 94420	Funk Bros. Seed Co., Belle Plaine	125	99.51	49.11	80.7	32.6	0.8	1.7	2.8	0.0
PAG 253	Pfister Associated Growers, Inc., Monroe	2,500	99.37	51.61	77.7	36.4	3.4	1.3	3.0	0.0
U39	United Hybrid Growers Assn., Shenandoah	3,000	99.27	51.65	81.3	36.4	3.6	1.5	2.4	0.0
Farmers 223	Farmers Hybrid Seed Corn Co., Hampton	3,700	99.05	54.18	85.0	33.7	12.6	4.3	3.0	0.0
Federal 300A	Federal Hybrids, Marion	1,000	98.92	51.79	84.0	35.7	4.4	3.2	3.4	0.0
U37A	United Hybrid Growers Assn., Shenandoah	1,100	98.69	51.81	72.3	36.4	3.7	3.7	3.4	0.0
Pioneer X7278	Pioneer Hi-Bred Corn Co., Des Moines	1,600	98.61	54.68	82.3	35.0	15.0	2.8	3.2	0.0
PAG Ex4199	Pfister Associated Growers, Inc., Aurora, Ill.	200	98.51	54.02	86.3	36.4	11.2	3.1	3.4	0.0
Mellowdent 89	J. N. Horlacher & Son, Storm Lake	54	98.22	49.33	83.7	36.4	1.6	0.0	3.2	0.0
Farmers 388	Iowa Corn & Small Grain Growers Assn., Ames	*	97.99	53.29	70.7	37.1	11.8	0.9	3.4	0.0
Funk G-68A	Funk Bros. Seed Co., Belle Plaine	1,322	97.90	49.71	71.3	33.7	3.7	3.7	3.0	0.0
U36	United Hybrid Growers Assn., Shenandoah	7,000	97.87	52.18	78.7	37.2	7.6	2.1	3.0	0.0
Pioneer 348	Pioneer Hi-Bred Corn Co., Des Moines	5,500	97.84	51.37	76.7	36.4	6.1	2.6	3.2	0.0
DeKalb 241	Iowa Corn & Small Grain Growers Assn., Ames	*	97.77	48.88	78.7	33.7	2.1	3.4	3.0	0.0
DeKalb 410	Iowa Corn & Small Grain Growers Assn., Ames	*	97.13	48.86	78.0	35.0	3.0	2.6	3.0	0.0
Cornelius 404	Cornelius Hybrid Corn Co., Bellevue	850	97.06	49.21	68.7	36.4	4.4	0.5	3.0	0.0
Iowa Hybrid 4316	Iowa Crop Improvement Assn., Ames	Comp.	96.93	51.65	73.3	36.4	9.6	2.7	3.2	0.0
Iowa Hybrid 4297	Harper Hardy Hybrids, Vinton	2,000	96.61	50.53	69.7	36.4	8.6	1.4	3.2	0.0
Tomahawk 30	Thompson Hybrid Corn Co., Inc., Belmond	1,496	96.38	48.99	77.0	35.0	5.2	3.0	3.0	0.0
PAG 270	Wilson-Rininger Corn Co., Sac City	1,800	96.35	51.48	81.0	37.8	9.1	2.5	3.4	0.0
CH-38	Christoffersen & Son, Audubon	450	96.02	48.45	76.3	37.1	3.5	1.3	3.4	0.0
C-7	Carlson Hybrid Corn Co., Audubon	1,000	95.87	47.56	71.3	36.4	2.8	0.9	3.4	0.0
C17	Clarke Hybrid Corn Co., Conrad	1,150	95.67	49.04	81.3	36.4	6.2	2.5	3.0	0.0
W-145	Wilson Hybrids, Inc., Harlan	8,000	95.56	50.73	73.7	37.8	10.0	1.8	3.4	0.0
96M	W. O. McCurdy & Sons, Fremont	2,000	95.41	45.91	72.3	33.7	1.4	2.8	3.0	0.0
W-77	Wilson Hybrids, Inc., Harlan	500	95.33	48.99	78.7	31.1	12.3	4.7	3.0	0.0
Farmers 427A	Iowa Corn & Small Grain Growers Assn., Ames	*	95.24	50.97	77.0	37.8	11.7	1.7	3.2	0.0
PAG 282	North Corn Belt Seed Growers, Naperville, Ill.	600	94.74	47.52	70.7	36.4	3.3	3.8	3.0	0.0
95M	W. O. McCurdy & Sons, Fremont	5,000	94.74	48.32	81.7	36.4	6.9	2.5	3.0	0.0
Funk G-30	Funk Bros. Seed Co., Belle Plaine	20,532	93.80	48.20	72.7	36.4	8.3	3.7	3.0	0.0
45-H	Holden Hybrid Seed Farms, Tipton	1,200	93.80	49.57	77.7	36.4	12.9	3.0	3.6	0.0
111M	W. O. McCurdy & Sons, Fremont	1,500	93.36	45.72	76.3	36.4	3.1	3.1	3.2	0.0
Crow 260	Crow Hybrid Corn Co., Nevada	2,200	92.35	47.77	75.7	37.1	10.1	4.0	3.2	0.0
Exp. W-H	J. M. Hunt & Son, Ackley	500	90.02	49.52	81.0	35.0	26.3	2.9	3.0	0.0
Iowa Hybrid 4417	Iowa Crop Improvement Assn., Ames	Comp.	89.70	44.23	82.0	34.4	11.4	4.5	3.0	0.0
Funk G-1A	Funk Bros. Seed Co., Belle Plaine	15,412	89.55	40.21	75.3	31.1	4.0	5.3	3.0	0.0
U33	United Hybrid Growers Assn., Shenandoah	80	79.32	39.42	73.3	36.4	26.8	4.1	3.2	0.0
Average of all entries				53.05	78.9	35.5	5.9	2.3	3.2	0.0

* Widely grown hybrids as determined by a survey of farmers.

† Differences in yield between any two entries of less than 7.33 bushels an acre are not considered significant.

TABLE 15. DISTRICT FOUR

This table shows the performance of 81 hybrids tested near Storm Lake in Buena Vista County.

Cooperator—J. N. Horlacher & Son

Date planted—May 15, 1951

Date harvested—Nov. 8, 1951

Hybrid	Name and address of entrant	Bushels available for plant- ing in 1951	Perform- ance score	Acre yield bu.†	Stand pct.	Moist. pct.	Lodging pct. root stalk	Ear ht.	Drop'd ears pct.	
Pioneer X0001	Pioneer Hi-Bred Corn Co., Des Moines	75	109.30	88.12	93.7	24.9	0.0	6.4	3.0	0.7
Pioneer 349	Iowa Corn & Small Grain Growers Assn., Ames	*	108.48	85.91	89.7	19.2	0.0	11.5	3.0	0.0
Pioneer 352	Iowa Corn & Small Grain Growers Assn., Ames	*	108.34	83.45	84.7	20.8	0.0	5.1	2.8	0.0
Pioneer 347	Pioneer Hi-Bred Corn Co., Des Moines	8,400	107.96	84.77	92.7	22.3	0.0	7.2	3.0	0.0
Pioneer 352	Garst & Thomas Hybrid Corn Co., Coon Rapids	40,165	107.59	83.70	91.3	23.1	0.0	5.1	2.8	0.0
600	W. O. McCurdy & Sons, Fremont	1,500	106.96	82.92	86.0	22.8	1.2	4.7	2.8	0.0
Iowa Hybrid 4576	Agronomy (FC) & U.S.D.A., Ames	11 lb.	106.27	81.34	85.3	23.2	0.0	4.3	3.0	0.0
Pioneer 344	Garst & Thomas Hybrid Corn Co., Coon Rapids	17,710	105.87	86.23	90.0	22.8	0.9	14.8	3.0	0.0
Maygold 69	Earl E. May Seed Co., Shenandoah	2,700	105.62	81.55	92.0	23.8	0.0	5.8	3.2	0.4
Corn King 114	Malcom H. Grieve, Pierson	700	105.56	81.36	86.7	22.8	0.4	6.5	3.0	0.0
Bear OK-31	Bear Hybrids Corn Co., Decatur, Ill.	1,000	105.43	81.51	84.0	22.2	0.0	8.3	3.0	0.0
W-245	Wilson Hybrids, Inc., Harlan	2,000	104.74	80.36	82.7	25.6	0.0	4.0	3.0	0.0
Iowa Hybrid 4297	Iowa Corn & Small Grain Growers Assn., Ames	*	103.99	77.94	86.0	23.4	0.0	3.9	3.0	0.4
Farmers 327	Farmers Hybrid Seed Corn Co., Hampton	2,300	103.91	77.82	85.7	24.9	0.0	2.3	3.0	0.0
Iowa Hybrid 4249	Iowa Corn & Small Grain Growers Assn., Ames	*	103.34	80.60	85.3	24.1	0.0	10.6	3.0	0.0
Pioneer 337	Pioneer Hi-Bred Corn Co., Des Moines	14,300	103.27	78.68	83.7	23.8	0.0	6.8	3.0	1.2
Funk G-45	Funk Bros. Seed Co., Belle Plaine	2,669	102.66	78.74	83.0	22.8	0.0	10.0	3.2	0.8
Cornhusker 84	Cornhusker Hybrid Corn Co., Fremont, Nebr.	1,475	102.59	78.22	85.3	25.6	0.0	5.9	3.6	0.8
Mellowdent 194	J. N. Horlacher & Son, Storm Lake	300	102.57	77.79	87.0	23.4	0.0	8.1	3.2	0.0
250	Cargill, Inc., Grinnell	16,000	102.31	77.22	79.0	25.6	0.0	5.1	3.0	0.0
Iowa Hybrid 4376	Iowa Crop Improvement Assn., Ames	10 lb.	101.80	75.72	82.0	24.5	0.0	4.9	3.0	0.0
Iowa Hybrid 4418	Iowa Crop Improvement Assn., Ames	Comp.	101.76	75.50	83.7	24.9	0.0	4.0	3.0	0.4
C258	Clarke Hybrid Corn Co., Conrad	6,165	101.69	74.05	82.1	23.1	0.0	3.6	3.0	0.0
Maygold 89	Earl E. May Seed Co., Shenandoah	7,100	101.53	75.18	87.3	23.8	0.8	4.6	3.0	0.4
Iowa Hybrid 4412	Iowa Crop Improvement Assn., Ames	Comp.	101.47	76.13	84.3	24.9	0.0	6.3	3.0	0.0
Pioneer 344	Iowa Corn & Small Grain Growers Assn., Ames	*	101.35	78.22	85.0	25.6	0.0	9.8	3.0	0.4
U41	United Hybrid Growers Assn., Shenandoah	7,000	101.31	76.61	85.7	24.9	0.0	7.8	3.0	0.0
Funk G-77A	Funk Bros. Seed Co., Belle Plaine	2,988	101.20	75.31	81.0	24.9	0.0	4.9	3.6	1.2
PAG 347	Associated Pfister Growers, Inc., Davenport	2,000	101.10	75.46	85.4	23.4	0.0	7.8	3.3	0.0
Tomahawk 60	Thompson Hybrid Corn Co., Inc., Belmont	3,766	101.08	75.04	83.3	22.0	0.0	8.8	3.0	0.0
Mellowdent M195	Louis Quirin, Alta	420	100.94	75.88	84.3	22.8	0.0	9.5	3.0	0.8
Cornelius C43	Cornelius Hybrid Corn Co., Bellevue	225	100.93	74.30	84.0	23.1	0.0	6.4	3.0	0.0
PAG X872	Newcomer Hybrid Corn Co., N. Henderson, Ill.	500	100.73	78.51	83.7	22.2	0.0	16.3	3.4	0.4
Iowa Hybrid 4249	Harper Hardy Hybrids, Vinton	2,500	100.66	77.19	84.0	24.9	0.0	10.7	3.0	0.4
J-39-A	Jacobsen Hybrid Corn Co., Lake View	2,500	100.57	77.88	86.0	25.6	0.0	11.6	3.2	0.0
Iowa Hybrid 4517	Agronomy (FC) & U.S.D.A., Ames	10 lb.	100.50	73.60	73.7	27.2	0.0	1.4	3.6	0.0
Pioneer 347	Garst & Thomas Hybrid Corn Co., Coon Rapids	9,288	100.39	74.07	82.0	22.0	0.0	8.9	3.0	0.0
State Hybrid Corn Co., Elkhart		1,300	100.38	76.66	84.0	24.9	0.8	9.5	3.0	0.8

Iowa Hybrid 4517	-----	Agronomy (FC) & U.S.D.A., Ames	10 lb.	100.19	73.97	82.3	27.2	0.0	1.4	3.6	0.0
Pioneer 347	-----	Garst & Thomas Hybrid Corn Co., Coon Rapids	9,288	100.39	74.07	82.0	22.0	0.0	8.9	3.0	0.0
Iowa Hybrid 4450	-----	Iowa State Hybrid Corn Co., Elkhart	1,300	100.38	76.66	84.0	24.9	0.8	9.5	3.0	0.8
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DeKalb 406	-----	Iowa Corn & Small Grain Growers Assn., Ames	*	100.19	73.97	82.3	22.5	0.0	8.5	3.2	0.4
CH-48	-----	Christoffersen & Son, Audubon	1,600	100.16	75.98	84.3	25.6	0.0	8.7	2.8	0.8
Iowa Hybrid 4298	-----	Iowa State Hybrid Corn Co., Elkhart	1,500	100.11	74.29	76.7	24.9	0.0	6.5	3.2	0.4
Iowa Hybrid 4470	-----	Iowa Crop Improvement Assn., Ames	10 lb.	99.96	77.10	77.9	24.9	0.0	12.8	3.0	0.0
Iowa Hybrid 4397	-----	Iowa Crop Improvement Assn., Ames	Comp.	99.86	72.55	80.7	24.1	0.0	4.1	3.0	1.7
Iowa Hybrid 4345	-----	Iowa Crop Improvement Assn., Ames	Comp.	99.84	74.02	81.0	26.2	0.0	5.4	3.0	0.0
Indiana Hybrid 608C	-----	Iowa Crop Improvement Assn., Ames	Comp.	99.62	76.02	85.0	25.6	0.0	10.6	3.0	0.4
Beeghly B	-----	Milford Beeghly, Pierston	187	99.59	75.01	82.1	24.1	0.0	10.7	3.3	0.0
Heim 600C	-----	Heim Hybrid Seed Corn Co., Lake City	60	99.57	71.24	86.3	24.5	0.0	2.4	3.0	0.5
Farmers 427A	-----	Iowa Corn & Small Grain Growers Assn., Ames	*	99.56	78.69	85.0	24.9	0.0	17.3	3.0	0.0
C257	-----	Clarke Hybrid Corn Co., Conrad	4,132	99.15	71.75	81.7	22.5	0.0	7.4	3.0	0.0
C-12	-----	Carlson Hybrid Corn Co., Audubon	1,489	99.05	74.17	83.3	22.5	0.0	12.5	3.0	0.0
Federal 240	-----	Federal Hybrids, Marion	500	99.02	72.80	73.0	23.1	0.0	9.1	3.2	0.0
Crow 432	-----	Crow Hybrid Corn Co., Nevada	2,500	98.88	72.66	83.3	21.5	0.0	11.2	2.6	0.0
Epley Medium	-----	Epley Bros., Shell Rock	1,150	98.82	73.67	86.7	27.4	0.4	5.8	3.0	0.4
Iowa Hybrid 4316	-----	Iowa Crop Improvement Assn., Ames	Comp.	98.81	75.82	86.3	23.8	0.0	14.7	3.2	0.8
DeKalb 404A	-----	Iowa Corn & Small Grain Growers Assn., Ames	*	98.56	72.61	84.7	22.2	0.0	11.0	3.0	0.4
PAG 270	-----	Associated Pfister Growers, Inc., Davenport	5,000	98.39	76.32	83.7	23.8	0.0	17.1	3.4	0.4
Pioneer 325	-----	Garst & Thomas Hybrid Corn Co., Coon Rapids	13,925	98.25	73.59	84.0	30.5	0.0	4.0	2.8	0.4
PAG 299	-----	Wilson-Rininger Corn Co., Sac City	11,000	98.22	73.38	78.7	23.5	0.0	12.3	3.0	0.0
Pioneer 350	-----	Iowa Corn & Small Grain Growers Assn., Ames	*	97.88	70.25	76.0	23.5	0.0	7.0	3.4	0.0
Iowa Hybrid 4297	-----	O. W. Johnson & Son, LeGrand	4,500	97.72	71.97	82.3	24.9	0.0	9.3	2.8	0.0
PAG 299	-----	Iowa Corn & Small Grain Growers Assn., Ames	*	97.66	75.37	89.0	26.9	0.0	13.9	3.0	0.0
PAG 35-2965	-----	Wilson-Rininger Corn Co., Sac City	200	97.33	69.94	82.7	24.9	0.0	5.7	3.0	1.6
Iowa Hybrid 4459	-----	Agronomy (FC) & U.S.D.A., Ames	8 lb.	96.83	76.67	88.8	29.8	0.0	15.5	3.5	0.0
Pioneer 339	-----	Pioneer Hi-Bred Corn Co., Des Moines	13,200	96.60	71.66	85.7	27.5	0.0	8.6	3.6	0.8
Farmers 322	-----	Farmers Hybrid Seed Corn Co., Hampton	10,500	96.55	71.75	84.0	29.6	0.0	6.8	3.0	0.0
Green Acres 472	-----	Green Acres, Hartington, Nebr.	80	96.52	68.56	82.3	24.5	0.0	6.5	3.2	0.0
251	-----	Cargill, Inc., Grinnell	1,100	96.10	71.08	78.3	26.5	0.0	9.8	3.0	1.3
Turner T48	-----	Turner Hybrid Seed Corn Co., Grand Junction	4,000	95.81	74.22	85.4	24.1	0.0	20.5	3.0	0.0
U42A	-----	United Hybrid Growers Assn., Shenandoah	5,200	95.68	70.25	77.7	23.8	0.0	13.3	3.0	0.0
PAG 366B	-----	Black & Abbott Farms, Walnut, Ill.	1,035	95.58	73.88	89.2	25.6	0.0	18.7	3.0	0.0
Iowa Hybrid 4537	-----	Agronomy (FC) & U.S.D.A., Ames	8 lb.	95.52	64.70	73.7	23.9	0.0	2.3	3.4	0.5
U47 ₁	-----	United Hybrid Growers Assn., Shenandoah	100	95.42	70.14	77.9	24.9	0.0	12.3	3.8	0.5
PAG 170	-----	Pfister Associated Growers, Inc., Monroe	18,000	95.31	72.14	82.0	27.1	0.0	14.2	3.4	0.0
PAG 253	-----	North Corn Belt Seed Growers, Naperville, Ill.	5,000	95.06	68.52	77.0	24.5	0.0	10.8	3.0	0.0
H-42	-----	Holden Foundation Hybrids, Williamsburg	270	93.74	69.05	90.7	25.5	0.0	14.3	3.0	0.7
Iowa Hybrid 306	-----	Iowa Crop Improvement Assn., Ames	Comp.	93.42	71.15	83.0	24.9	1.2	19.3	3.4	0.4
Pioneer 322	-----	Pioneer Hi-Bred Corn Co., Des Moines	4,800	93.40	70.97	80.3	22.1	0.0	23.7	3.0	0.0
215-H	-----	Holden Hybrid Seed Farms, Tipton	1,500	93.04	68.53	83.0	30.9	0.8	8.4	3.2	0.0
U40	-----	United Hybrid Growers Assn., Shenandoah	7,000	92.05	64.20	74.0	25.6	0.0	9.9	2.8	0.0
Funk 10562	-----	Funk Bros. Seed Co., Belle Plaine	220	91.11	63.91	75.7	27.7	0.0	8.8	3.0	1.8
5220	-----	J. M. Hunt & Son, Ackley	55	89.95	64.88	73.7	22.2	0.0	21.7	3.0	0.0
Average of all entries					75.22	83.4	24.4	0.1	9.2	3.1	0.3

* Widely grown hybrids as determined by a survey of farmers.

† Differences in yield between any two entries of less than 7.92 bushels an acre are not considered significant.

TABLE 16. DISTRICT FIVE

This table shows the performance of 81 hybrids tested near Clarion in Wright County.

Cooperator—R. W. Hagie

Date planted—May 7, 1951

Date harvested—Nov. 7, 1951

Hybrid	Name and address of entrant	Bushels available for plant- ing in 1951	Perform- ance score	Acre yield bu.†	Stand pct.	Moist. pct.	Lodging pct. root stalk		Ear ht.	Drop'd ears pct.
Farmers 327 -----	Farmers Hybrid Seed Corn Co., Hampton	2,300	107.37	103.12	92.3	19.8	0.0	6.1	2.2	0.0
Pioneer 325 -----	Garst & Thomas Hybrid Corn Co., Coon Rapids	13,925	106.94	102.32	90.7	21.8	0.0	3.7	2.4	0.4
Pioneer X0001 -----	Pioneer Hi-Bred Corn Co., Des Moines	75	106.87	106.51	88.7	19.6	0.0	13.2	3.0	0.0
Cornelius C43 -----	Cornelius Hybrid Corn Co., Bellevue	225	106.13	97.27	90.7	19.9	0.0	0.4	2.0	0.0
Maygold 69 -----	Earl E. May Seed Co., Shenandoah	2,700	105.23	100.16	86.3	20.5	0.0	7.0	3.0	0.0
Iowa Hybrid 4397 -----	Iowa Crop Improvement Assn., Ames	Comp.	105.05	98.50	87.7	21.1	0.0	4.2	2.6	0.0
Pioneer 352 -----	Iowa Corn & Small Grain Growers Assn., Ames	*	104.62	97.93	88.3	19.8	0.0	6.0	2.6	0.0
Funk G-77A -----	Funk Bros. Seed Co., Belle Plaine	2,968	104.23	97.65	91.0	19.2	0.0	7.3	2.6	0.0
Iowa Hybrid 4249 -----	Harper Hardy Hybrids, Vinton	2,500	103.89	97.86	90.3	20.1	0.0	7.8	3.0	0.0
Iowa Hybrid 4517 -----	Agronomy (FC) & U.S.D.A., Ames	10 lb.	103.82	98.56	93.3	25.1	0.0	3.2	3.0	0.4
Federal 240 -----	Federal Hybrids, Marion	500	103.61	98.66	91.3	19.2	0.0	10.6	2.8	0.4
Iowa Hybrid 4376 -----	Iowa Crop Improvement Assn., Ames	10 lb.	103.61	95.49	90.7	20.8	0.0	3.7	2.6	0.7
Pioneer 339 -----	Pioneer Hi-Bred Corn Co., Des Moines	13,200	103.38	97.68	87.0	20.1	0.8	8.1	3.0	0.4
DeKalb 406 -----	Iowa Corn & Small Grain Growers Assn., Ames	*	103.20	96.10	88.0	19.9	1.1	6.1	2.2	0.0
Pioneer 337 -----	Pioneer Hi-Bred Corn Co., Des Moines	14,300	103.10	95.85	88.3	20.5	0.0	6.4	3.0	0.0
Maygold 89 -----	Earl E. May Seed Co., Shenandoah	7,100	102.61	92.76	83.7	19.2	0.0	4.4	2.2	0.0
Pioneer 349 -----	Iowa Corn & Small Grain Growers Assn., Ames	*	102.51	95.62	90.0	19.7	0.4	8.2	2.0	0.4
Bear OK-31 -----	Bear Hybrids Corn Co., Decatur, Ill.	1,000	102.25	99.05	94.0	20.5	0.0	13.8	2.8	0.4
U42A -----	United Hybrid Growers Assn., Shenandoah	5,200	102.15	97.70	87.3	21.1	0.0	11.5	2.8	0.0
Green Acres 472 -----	Green Acres, Hartington, Nebr.	80	101.81	95.50	91.0	20.5	0.0	9.5	3.0	0.4
PAG 347 -----	Associated Pfister Growers, Inc., Davenport	2,000	101.75	100.79	92.7	20.1	0.0	18.7	3.0	0.0
Iowa Hybrid 4450 -----	Iowa State Hybrid Corn Co., Elkhart	1,300	101.68	92.17	89.0	21.1	0.0	4.1	2.4	0.0
Iowa Hybrid 4345 -----	Iowa Crop Improvement Assn., Ames	Comp.	101.50	95.09	93.3	21.3	0.0	8.9	2.6	0.4
600 -----	W. O. McCurdy & Sons, Fremont	1,500	101.50	92.41	88.0	20.5	0.0	5.7	2.0	0.0
Iowa Hybrid 4418 -----	Iowa Crop Improvement Assn., Ames	Comp.	101.45	94.34	90.3	21.6	0.0	7.8	2.6	0.0
Funk 10562 -----	Funk Bros. Seed Co., Belle Plaine	220	101.35	94.96	87.0	23.4	0.0	6.9	2.8	0.0
U47 -----	United Hybrid Growers Assn., Shenandoah	100	101.34	93.96	92.3	21.1	0.0	7.9	3.4	0.0
Iowa Hybrid 4576 -----	Agronomy (FC) & U.S.D.A., Ames	11 lb.	101.30	91.76	85.3	21.7	0.0	3.9	2.4	0.0
Pioneer 352 -----	Garst & Thomas Hybrid Corn Co., Coon Rapids	40,165	101.11	91.31	89.0	21.7	0.0	3.8	2.4	0.0
PAG X872 -----	Newcomer Hybrid Corn Co., N. Henderson, Ill.	500	100.86	100.28	91.3	18.9	0.0	21.2	3.2	1.5
250 -----	Cargill, Inc., Grinnell	16,000	100.83	93.35	80.7	20.2	0.0	9.5	2.6	0.0
Mellowdent M195 -----	Louis Quirin, Alta	420	100.67	92.97	84.3	21.5	0.0	7.9	2.2	0.0
Iowa Hybrid 4470 -----	Iowa Crop Improvement Assn., Ames	10 lb.	100.64	94.68	88.7	20.5	0.0	11.7	2.8	0.4
Iowa Hybrid 4298 -----	Iowa State Hybrid Corn Co., Elkhart	1,500	100.46	92.65	83.7	19.4	0.0	10.4	3.0	0.0
C-12 -----	Carlson Hybrid Corn Co., Audubon	1,489	100.40	93.36	87.0	19.2	0.4	11.5	2.6	0.0
Beeghly B -----	Milford Beeghly, Pierson	187	100.39	90.74	88.7	21.8	0.0	4.9	3.0	0.0
Iowa Hybrid 4459 -----	Agronomy (FC) & U.S.D.A., Ames	8 lb.	100.37	103.58	91.0	22.0	0.0	24.9	3.0	0.4
W. Johnson & Son, LeGrand -----		4,500	100.32	88.38	79.2	20.2	0.0	3.2	3.0	0.0

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Beeghly B -----	Milford Beeghly, Pierson -----	187	100.39	90.74	88.7	21.8	0.0	4.9	3.0	0.0
Iowa Hybrid 4459 -----	Agronomy (FC) & U.S.D.A., Ames -----	8 lb.	100.37	103.58	91.0	22.0	0.0	24.9	3.0	0.4
Iowa Hybrid 4297 -----	O. W. Johnson & Son, LeGrand -----	4,500	100.32	88.38	79.2	20.2	0.0	3.2	3.0	0.0

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PAG 270	-----	Associated Pfister Growers, Inc., Davenport	5,000	100.31	96.10	92.7	19.2	0.0	16.2	3.0	0.7
U40	-----	United Hybrid Growers Assn., Shenandoah	7,000	100.28	90.07	83.8	19.7	0.0	6.5	2.8	0.0
Iowa Hybrid 4249	-----	Iowa Corn & Small Grain Growers Assn., Ames	*	100.20	94.76	83.3	20.2	1.2	12.4	2.8	0.0
Pioneer 347	-----	Garst & Thomas Hybrid Corn Co., Coon Rapids	9,288	100.14	93.72	87.3	19.4	0.0	13.0	2.6	0.0
Pioneer 344	-----	Garst & Thomas Hybrid Corn Co., Coon Rapids	17,710	100.12	99.22	88.3	20.5	0.8	19.6	3.0	0.4
Iowa Hybrid 4412	-----	Iowa Crop Improvement Assn., Ames	Comp.	100.02	93.09	86.0	21.1	0.4	10.1	2.6	0.0
Mellowdent 194	-----	J. N. Horlacher & Son, Storm Lake	300	100.02	90.37	90.3	20.2	0.0	7.0	3.0	0.4
Crow 432	-----	Crow Hybrid Corn Co., Nevada	2,500	99.98	88.58	77.7	19.6	0.0	5.2	2.2	0.0
J-39-A	-----	Jacobsen Hybrid Corn Co., Lake View	2,500	99.97	93.16	92.3	22.8	0.0	8.7	2.8	0.4
PAG 299	-----	Wilson-Rininger Corn Co., Sac City	11,000	99.78	94.67	86.7	19.2	1.2	14.6	3.0	0.0
C257	-----	Clarke Hybrid Corn Co., Conrad	4,132	99.33	87.00	80.7	18.5	0.0	5.8	2.4	0.0
W-245	-----	Wilson Hybrids, Inc., Harlan	2,000	99.27	91.77	90.0	22.8	2.2	6.3	2.2	0.4
Iowa Hybrid 306	-----	Iowa Crop Improvement Assn., Ames	Comp.	99.12	94.68	90.3	20.8	0.4	15.1	3.0	1.1
CH-48	-----	Christoffersen & Son, Audubon	1,600	99.10	88.30	87.7	23.4	0.0	3.0	2.4	0.0
Turner T48	-----	Turner Hybrid Seed Corn Co., Grand Junction	4,000	99.10	96.34	88.3	20.2	0.0	19.3	3.3	0.0
251	-----	Cargill, Inc., Grinnell	1,100	98.99	94.58	86.7	20.2	0.0	16.5	2.8	0.8
Farmers 427A	-----	Iowa Corn & Small Grain Growers Assn., Ames	*	98.94	98.04	90.0	20.8	3.3	18.5	2.8	0.0
Cornhusker 84	-----	Cornhusker Hybrid Co., Fremont, Nebr.	1,475	98.80	91.20	90.7	21.5	0.0	10.3	3.0	0.7
U41	-----	United Hybrid Growers Assn., Shenandoah	7,000	98.70	92.80	88.3	19.9	0.0	15.1	3.0	0.4
H-42	-----	Holden Foundation Hybrids, Williamsburg	270	98.51	95.98	88.7	20.1	0.0	20.7	2.6	0.0
C258	-----	Clarke Hybrid Corn Co., Conrad	6,165	98.41	89.65	87.5	20.1	0.0	11.0	2.8	0.0
Pioneer 347	-----	Pioneer Hi-Bred Corn Co., Des Moines	8,400	98.38	92.28	85.3	19.2	0.0	16.0	2.6	0.4
PAG 366B	-----	Black & Abbott Farms, Walnut, Ill.	1,035	98.36	95.08	91.7	22.1	0.0	17.1	3.0	0.7
PAG 35-2965	-----	Wilson-Rininger Corn Co., Sac City	200	98.02	89.26	84.2	20.2	0.0	10.9	2.5	1.0
Heim 600C	-----	Heim Hybrid Seed Corn Co., Lake City	60	97.83	84.07	79.3	19.8	0.8	3.4	2.4	0.0
PAG 299	-----	Iowa Corn & Small Grain Growers Assn., Ames	*	97.80	93.01	86.7	19.4	0.8	18.1	2.4	0.0
Pioneer 344	-----	Iowa Corn & Small Grain Growers Assn., Ames	*	97.62	97.58	83.3	20.8	0.4	24.4	3.0	0.4
Corn King 114	-----	Malcom H. Grieve, Pierson	700	97.28	95.66	91.3	22.0	0.0	21.5	2.8	0.4
DeKalb 404A	-----	Iowa Corn & Small Grain Growers Assn., Ames	*	97.13	89.99	85.3	20.8	0.0	14.5	2.6	0.0
Iowa Hybrid 4297	-----	Iowa Corn & Small Grain Growers Assn., Ames	*	97.12	86.46	89.7	20.8	0.4	8.2	2.6	0.7
Iowa Hybrid 4316	-----	Iowa Crop Improvement Assn., Ames	Comp.	96.94	91.36	89.7	21.7	0.0	16.0	2.8	0.4
Epley Medium	-----	Epley Bros., Shell Rock	1,150	96.90	87.68	87.3	25.6	0.0	6.1	2.2	0.0
Funk G-45	-----	Funk Bros. Seed Co., Belle Plaine	2,669	95.97	89.26	87.7	21.5	0.0	15.6	3.2	0.8
PAG 170	-----	Pfister Associated Growers, Inc., Monroe	18,000	95.94	89.06	89.7	21.0	1.1	14.9	2.8	0.7
215-H	-----	Holden Hybrid Seed Farms, Tipton	1,500	95.34	91.25	84.3	21.7	0.0	20.6	2.8	0.4
Farmers 322	-----	Farmers Hybrid Seed Corn Co., Hampton	10,500	95.28	85.88	79.3	23.4	0.0	10.5	2.4	0.0
Tomahawk 60	-----	Thompson Hybrid Corn Co., Inc., Belmont	3,766	95.24	84.01	84.6	18.8	0.0	12.8	2.5	0.0
PAG 253	-----	North Corn Belt Seed Growers, Naperville, Ill.	5,000	94.97	82.68	81.3	19.9	0.0	10.3	2.4	0.0
Pioneer 322	-----	Pioneer Hi-Bred Corn Co., Des Moines	4,800	94.88	90.31	87.0	19.1	0.4	23.0	2.6	0.4
Iowa Hybrid 4537	-----	Agronomy (FC) & U.S.D.A., Ames	8 lb.	94.65	77.92	79.7	21.6	0.0	1.7	2.8	0.4
Indiana Hybrid 608C	-----	Iowa Crop Improvement Assn., Ames	Comp.	94.12	89.66	88.0	23.8	0.0	19.3	2.8	0.4
Pioneer 350	-----	Iowa Corn & Small Grain Growers Assn., Ames	*	93.20	85.13	89.7	20.8	0.0	18.2	2.8	0.4
5220	-----	J. M. Hunt & Son, Ackley	55	87.70	83.46	86.0	19.2	0.0	33.7	2.6	0.0
Average of all entries					93.41	87.7	20.7	0.2	11.2	2.7	0.2

* Widely grown hybrids as determined by a survey of farmers

† Differences in yield between any two entries of less than 8.16

bushels an acre are not considered significant.

TABLE 17. DISTRICT SIX

This table shows the performance of 81 hybrids tested near Independence in Buchanan County.

Cooperator—T. V. Van Laningham

Date planted—May 16, 1951

Date harvested—Nov. 12 and 13, 1951

Hybrid	Name and address of entrant	Bushels available for plant- ing in 1951	Perform- ance score	Acre yield bu.†	Stand pct.	Moist. pct.	Lodging pct. root stalk		Ear ht.	Drop'd ears pct.
Pioneer 337	Pioneer Hi-Bred Corn Co., Des Moines	14,300	109.60	74.59	95.3	30.0	8.7	3.2	3.0	0.0
Iowa Hybrid 4576	Agronomy (FC) & U.S.D.A., Ames	11 lb.	109.00	70.25	92.0	30.7	1.1	1.8	2.8	0.0
Pioneer 352	Garst & Thomas Hybrid Corn Co., Coon Rapids	40,165	108.76	72.44	92.3	30.1	7.6	1.8	2.2	0.0
Pioneer X0001	Pioneer Hi-Bred Corn Co., Des Moines	75	107.97	69.65	95.3	32.1	2.1	0.7	3.0	0.0
U42A	United Hybrid Growers Assn., Shenandoah	5,200	105.64	67.97	84.7	32.6	3.5	1.6	2.4	0.0
Pioneer 347	Pioneer Hi-Bred Corn Co., Des Moines	8,400	105.57	68.67	94.0	31.6	4.3	3.9	2.4	0.0
Green Acres 472	Green Acres, Hartington, Nebr.	80	105.36	66.35	92.7	32.1	2.2	0.7	3.0	0.0
Pioneer 349	Iowa Corn & Small Grain Growers Assn., Ames	*	105.36	69.90	94.7	30.0	12.0	1.4	2.2	0.4
J-39-A	Jacobsen Hybrid Corn Co., Lake View	2,500	105.25	69.29	92.0	32.6	6.2	2.9	2.6	0.4
Funk G-77A	Funk Bros. Seed Co., Belle Plaine	2,968	104.36	68.14	92.3	30.7	9.4	2.2	3.0	0.0
Cornhusker 84	Cornhusker Hybrid Co., Fremont, Nebr.	1,475	103.99	65.51	85.0	32.6	2.8	1.6	3.0	0.0
Bear OK-31	Bear Hybrids Corn Co., Decatur, Ill.	1,000	103.53	64.51	91.0	32.1	1.1	2.9	3.0	0.0
Epley Medium	Epley Bros., Shell Rock	1,150	103.29	65.15	88.7	32.1	6.0	0.0	2.2	0.4
PAG 299	Wilson-Rininger Corn Co., Sac City	11,000	103.22	68.50	84.7	31.6	12.6	2.0	2.6	0.0
Pioneer 322	Pioneer Hi-Bred Corn Co., Des Moines	4,800	103.15	64.14	87.0	30.0	4.6	2.3	3.0	0.0
Pioneer 347	Garst & Thomas Hybrid Corn Co., Coon Rapids	9,288	102.93	64.60	86.7	30.7	5.8	1.9	2.5	0.0
Maygold 69	Earl E. May Seed Co., Shenandoah	2,700	102.82	66.64	87.3	31.6	9.2	2.3	3.0	0.0
Iowa Hybrid 4459	Agronomy (FC) & U.S.D.A., Ames	8 lb.	102.77	69.76	91.3	33.7	15.0	0.7	3.0	0.7
DeKalb 406	Iowa Corn & Small Grain Growers Assn., Ames	*	102.34	66.25	93.3	31.6	10.0	1.4	2.8	1.4
PAG 366B	Black & Abbott Farms, Walnut, Ill.	1,035	102.27	65.39	83.0	30.4	7.6	4.0	2.6	0.4
Iowa Hybrid 4298	Iowa State Hybrid Corn Co., Elkhart	1,500	102.27	66.70	89.0	32.6	10.5	1.5	3.0	0.0
DeKalb 404A	Iowa Corn & Small Grain Growers Assn., Ames	*	102.23	65.60	88.7	30.7	7.9	3.8	3.0	0.8
Iowa Hybrid 4470	Iowa Crop Improvement Assn., Ames	10 lb.	102.07	67.46	89.3	31.6	13.4	1.9	2.4	0.4
W-245	Wilson Hybrids, Inc., Harlan	2,000	101.96	65.51	87.5	32.6	9.1	1.0	2.3	0.5
Turner T48	Turner Hybrid Seed Corn Co., Grand Junction	4,000	101.81	64.53	91.0	32.6	4.4	4.0	3.0	0.0
Iowa Hybrid 4376	Iowa Crop Improvement Assn., Ames	10 lb.	101.72	62.71	83.7	32.6	3.2	1.2	2.4	0.4
Iowa Hybrid 4249	Iowa Corn & Small Grain Growers Assn., Ames	*	101.57	66.66	91.0	32.6	12.8	1.1	2.8	0.0
Iowa Hybrid 4517	Agronomy (FC) & U.S.D.A., Ames	10 lb.	101.52	63.44	86.3	35.0	1.2	2.3	3.0	0.4
C-12	Carlson Hybrid Corn Co., Audubon	1,489	101.49	65.36	94.0	29.4	12.1	3.2	2.6	0.0
Mellowdent 194	J. N. Horlacher & Son, Storm Lake	300	101.43	64.99	90.3	30.7	11.1	1.9	2.6	0.0
H-42	Holden Foundation Hybrids, Williamsburg	270	101.40	67.99	90.3	34.4	12.6	2.6	2.8	0.0
Pioneer 325	Garst & Thomas Hybrid Corn Co., Coon Rapids	13,925	101.23	63.64	90.0	32.6	6.3	1.5	2.0	0.7
CH-48	Christoffersen & Son, Audubon	1,600	101.21	65.46	88.8	33.7	8.5	2.4	2.8	0.0
Tomahawk 60	Thompson Hybrid Corn Co., Inc., Belmont	3,766	100.81	64.87	87.0	29.4	14.6	1.5	2.8	0.0
Pioneer 350	Iowa Corn & Small Grain Growers Assn., Ames	*	100.78	62.11	90.3	32.6	2.6	3.3	3.0	0.0
Farmers 327	Farmers Hybrid Seed Corn Co., Hampton	2,300	100.76	61.96	85.0	31.1	6.3	1.2	2.0	0.0
PAG 35-2965	Wilson-Rininger Corn Co., Sac City	200	100.54	64.73	87.3	30.7	13.4	1.5	2.2	0.0
600	W. O. McCurdy & Sons, Fremont	1,500	100.22	64.79	87.3	31.6	14.5	0.4	2.2	0.0
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Iowa Hybrid 4345	Iowa Crop Improvement Assn., Ames	Comp.	100.13	63.53	88.3	31.1	12.5	0.4	2.6	0.0
Crow 432	Crow Hybrid Corn Co., Nevada	2,500	100.09	61.62	87.3	30.7	8.4	0.8	2.4	0.0

Farmers 327	Farmers Hybrid Seed Corn Co., Hampton	2,300	100.76	61.96	85.0	31.1	6.3	1.2	2.0	0.0
PAG 35-2965	Wilson-Rininger Corn Co., Sac City	200	100.54	64.73	87.3	30.7	13.4	1.5	2.2	0.0
600	W. O. McCurdy & Sons, Fremont	1,500	100.22	64.79	87.3	31.6	14.5	0.4	2.2	0.0

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Iowa Hybrid 4345	Iowa Crop Improvement Assn., Ames	Comp.	100.13	63.53	88.3	31.1	12.5	0.4	2.6	0.0
Crow 432	Crow Hybrid Corn Co., Nevada	2,500	100.09	61.62	87.3	30.7	8.4	0.8	2.4	0.0
Iowa Hybrid 4316	Iowa Crop Improvement Assn., Ames	Comp.	100.09	62.84	86.7	30.7	10.0	1.9	3.0	0.0
Federal 240	Federal Hybrids, Marion	500	99.79	63.36	85.3	31.6	11.3	1.6	3.0	0.0
Farmers 322	Farmers Hybrid Seed Corn Co., Hampton	10,500	99.60	65.04	85.7	32.6	15.2	0.8	2.2	0.0
PAG 347	Associated Pfister Growers, Inc., Davenport	2,000	99.56	65.77	92.0	32.6	17.4	0.4	2.8	0.0
PAG 253	North Corn Belt Seed Growers, Naperville, Ill.	5,000	99.43	62.54	89.3	32.6	10.8	0.0	2.4	0.0
251	Cargill, Inc., Grinnell	1,100	99.30	65.68	89.3	32.6	15.3	3.0	2.8	0.0
Pioneer 344	Garst & Thomas Hybrid Corn Co., Coon Rapids	17,710	99.27	59.30	79.3	30.7	5.9	0.4	2.4	0.0
U41	United Hybrid Growers Assn., Shenandoah	7,000	99.24	64.51	90.3	30.4	16.6	1.9	2.6	0.4
Beeghly B	Milford Beeghly, Pierson	187	99.19	60.06	89.3	32.1	4.5	1.9	3.0	0.4
C257	Clarke Hybrid Corn Co., Conrad	4,132	99.06	61.92	91.0	30.7	10.6	2.2	2.4	0.0
Iowa Hybrid 4450	Iowa State Hybrid Corn Co., Elkhart	1,300	99.00	63.90	91.7	30.7	14.9	2.6	3.0	0.0
PAG X872	Newcomer Hybrid Corn Co., N. Henderson, Ill.	500	98.95	61.20	87.7	31.6	7.6	2.7	2.8	0.4
Pioneer 352	Iowa Corn & Small Grain Growers Assn., Ames	*	98.91	59.96	80.7	31.1	7.9	0.4	2.2	0.0
Iowa Hybrid 4397	Iowa Crop Improvement Assn., Ames	Comp.	98.88	62.20	88.0	31.6	11.7	1.1	2.2	0.0
Iowa Hybrid 4297	O. W. Johnson & Son, LeGrand	4,500	98.59	62.15	89.0	32.6	10.5	1.9	2.8	0.0
215-H	Holden Hybrid Seed Farms, Tipton	1,500	98.40	65.46	93.3	33.7	15.4	3.6	2.8	0.0
Iowa Hybrid 4249	Harper Hardy Hybrids, Vinton	2,500	98.28	63.16	92.3	33.7	13.4	0.7	2.4	0.0
Mellowdent M195	Louis Quirin, Alta	420	98.26	65.67	90.0	33.7	18.9	0.7	2.4	0.4
Iowa Hybrid 4418	Iowa Crop Improvement Assn., Ames	Comp.	98.23	62.36	90.0	30.4	15.6	1.1	2.4	0.0
Pioneer 339	Pioneer Hi-Bred Corn Co., Des Moines	13,200	97.90	59.36	91.7	33.7	4.7	1.8	3.0	0.0
U47	United Hybrid Growers Assn., Shenandoah	100	97.57	60.28	84.3	32.6	10.3	0.8	2.8	0.0
PAG 270	Associated Pfister Growers, Inc., Davenport	5,000	97.50	66.52	94.7	30.7	25.7	1.8	3.0	0.7
Maygold 89	Earl E. May Seed Co., Shenandoah	7,100	97.38	59.47	85.0	30.7	11.8	0.4	2.2	0.0
Pioneer 344	Iowa Corn & Small Grain Growers Assn., Ames	*	97.36	63.05	91.0	32.6	15.8	2.2	3.0	0.0
Iowa Hybrid 4297	Iowa Corn & Small Grain Growers Assn., Ames	*	96.98	63.11	86.7	30.7	20.0	1.5	2.6	0.0
PAG 299	Iowa Corn & Small Grain Growers Assn., Ames	*	96.92	62.14	91.3	31.1	15.0	4.0	2.8	0.0
Corn King 114	Malcom H. Grieve, Pierson	700	96.65	67.25	87.0	32.6	26.4	3.1	3.0	0.0
PAG 170	Pfister Associated Growers, Inc., Monroe	18,000	96.57	63.85	89.3	32.6	21.3	0.8	3.0	0.0
Cornelius C43	Cornelius Hybrid Corn Co., Bellevue	225	96.52	61.43	92.0	32.1	15.2	1.8	2.2	0.7
Funk G-45	Funk Bros. Seed Co., Belle Plaine	2,669	95.94	59.10	86.3	32.6	11.6	1.5	3.0	0.0
Farmers 427A	Iowa Corn & Small Grain Growers Assn., Ames	*	95.90	63.25	87.3	33.7	19.5	1.5	3.0	0.4
Iowa Hybrid 4412	Iowa Crop Improvement Assn., Ames	Comp.	95.51	60.99	87.3	33.7	15.3	1.9	3.0	0.0
U40	United Hybrid Growers Assn., Shenandoah	7,000	95.27	59.14	83.7	32.6	12.8	2.4	2.6	0.0
Indiana Hybrid 608C	Iowa Crop Improvement Assn., Ames	Comp.	94.76	62.71	88.3	32.6	23.0	1.5	3.0	0.4
Funk 10562	Funk Bros. Seed Co., Belle Plaine	220	94.57	63.56	88.7	32.6	25.9	0.8	3.0	1.1
Iowa Hybrid 4537	Agronomy (FC) & U.S.D.A., Ames	8 lb.	94.25	52.21	83.3	32.6	1.2	1.2	2.8	0.0
250	Cargill, Inc., Grinnell	16,000	93.22	57.62	80.0	32.1	16.3	1.7	3.0	0.8
Iowa Hybrid 306	Iowa Crop Improvement Assn., Ames	Comp.	92.91	61.43	89.3	32.6	24.6	1.9	2.8	1.5
C258	Clarke Hybrid Corn Co., Conrad	6,165	92.27	55.39	90.7	32.1	15.1	0.7	2.6	0.4
5220	J. M. Hunt & Son, Ackley	55	91.63	61.84	87.3	30.7	29.8	4.2	3.0	0.4
Heim 600C	Heim Hybrid Seed Corn Co., Lake City	60	88.02	48.30	77.7	32.6	11.2	0.4	2.4	0.0
Average of all entries				63.96	88.6	31.9	11.4	1.8	2.7	0.2

* Widely grown hybrids as determined by a survey of farmers.

† Differences in yield between any two entries of less than 5.72 bushels an acre are not considered significant.

TABLE 18. DISTRICT SEVEN

This table shows the performance of 81 hybrids tested near Mapleton in Crawford County.

Cooperator—Eck Bros.

Date planted—May 22, 1951

Date harvested—Nov. 5 and 6, 1951

Hybrid	Name and address of entrant	Bushels available for plant- ing in 1951	Perform- ance score	Acre yield bu.†	Stand pct.	Moist. pct.	Lodging pct. root stalk	Ear ht.	Drop'd ears pct.	
AES 801 (Ia. 4527)	Agronomy (FC) & U.S.D.A., Ames	14 lb.	136.75	70.57	87.7	32.4	17.5	4.6	3.0	0.8
Funk G-37	Funk Bros. Seed Co., Belle Plaine	7,579	121.84	60.71	86.0	29.8	20.9	10.9	3.4	3.9
Iowa Hybrid 4535	Agronomy (FC) & U.S.D.A., Ames	6 lb.	118.86	44.71	70.7	30.1	15.6	2.8	2.8	0.5
Iowa Hybrid 4531	Agronomy (FC) & U.S.D.A., Ames	6 lb.	117.27	63.05	81.7	32.6	29.8	9.4	3.4	2.5
Tomahawk 80	Thompson Hybrid Corn Co., Inc., Belmont	1,799	115.74	64.31	89.2	30.0	33.2	10.8	3.0	3.3
C277	Clarke Hybrid Corn Co., Conrad	1,738	114.14	61.00	82.7	28.8	30.2	12.9	3.0	2.8
U59	United Hybrid Growers Assn., Shenandoah	7,500	113.80	55.78	79.7	32.5	28.9	6.7	3.0	3.4
C-25	Carlson Hybrid Corn Co., Audubon	100	113.29	63.80	81.3	29.1	36.4	10.8	3.0	3.1
825	W. O. McCurdy & Sons, Fremont	600	111.45	54.61	73.7	31.3	29.0	9.5	3.0	1.4
J-24	Jacobsen Hybrid Corn Co., Lake View	450	110.88	58.36	82.3	29.1	38.5	6.1	3.0	2.0
Cornhusker 75	Cornhusker Hybrid Co., Fremont, Nebr.	13,500	110.71	66.12	88.0	30.3	44.3	8.7	3.0	0.8
Cornelius C66	Cornelius Hybrid Corn Co., Bellevue	100	109.49	68.30	85.3	25.6	50.8	9.0	3.0	0.8
307H	Harper Hardy Hybrids, Vinton	300	109.11	60.58	81.0	28.5	44.0	5.8	3.2	1.7
117M	W. O. McCurdy & Sons, Fremont	1,100	109.01	63.12	86.0	29.7	35.3	16.7	3.0	2.3
Iowa Hybrid 4517	Agronomy (FC) & U.S.D.A., Ames	10 lb.	108.96	60.65	76.7	30.7	42.6	6.1	3.2	2.2
H-3	Holden Foundation Hybrids, Williamsburg	60	108.04	58.31	81.3	29.2	40.0	8.2	3.0	2.1
Pioneer 301	Garst & Thomas Hybrid Corn Co., Coon Rapids	9,442	107.85	68.35	89.3	29.1	53.4	6.3	3.0	2.2
Iowa Hybrid 4385	Iowa Crop Improvement Assn., Ames	Comp.	107.52	54.34	81.0	27.9	37.9	7.4	3.2	1.7
Federal 155	Federal Hybrids, Marion	1,200	106.40	59.25	78.0	29.3	38.9	12.4	3.0	2.6
U47A	United Hybrid Growers Assn., Shenandoah	6,000	105.73	61.80	77.3	28.1	44.8	11.2	3.0	0.9
Pioneer 339	Iowa Corn & Small Grain Growers Assn., Ames	*	105.66	56.84	83.7	32.5	35.1	12.8	2.8	2.4
Tomahawk 85	Thompson Hybrid Corn Co., Inc., Belmont	1,867	105.27	61.60	79.7	30.1	35.2	19.3	3.2	5.4
987M	W. O. McCurdy & Sons, Fremont	2,000	105.15	59.25	87.7	29.7	42.6	10.3	3.2	1.9
Moews 14	Iowa Corn & Small Grain Growers Assn., Ames	*	105.03	62.09	82.3	28.8	49.0	7.7	2.8	2.0
Ohio Hybrid C92	Iowa Corn & Small Grain Growers Assn., Ames	*	104.95	58.67	89.7	32.6	44.6	6.3	3.0	1.5
Turner S57	Turner Hybrid Seed Corn Co., Grand Junction	4,000	104.66	55.23	73.0	30.0	38.8	10.1	3.2	1.8
Funk G-60	Funk Bros. Seed Co., Belle Plaine	7,590	104.46	53.19	82.0	32.6	39.0	6.5	3.0	1.2
57-H	Holden Hybrid Seed Farms, Tipton	800	104.11	52.79	74.2	31.6	39.3	6.2	3.0	3.9
U52	United Hybrid Growers Assn., Shenandoah	6,000	103.94	64.20	85.7	29.4	48.3	12.1	3.0	1.2
PAG 392	Pfister Associated Growers, Inc., Monroe	6,000	103.92	59.49	86.0	30.0	40.7	13.6	3.0	3.5
C-22	Carlson Hybrid Corn Co., Audubon	1,500	102.60	63.64	83.3	32.6	46.0	13.6	3.0	1.6
Funk G-54	Funk Bros. Seed Co., Belle Plaine	2,522	102.11	64.57	81.7	31.6	57.6	3.7	3.0	4.5
Maygold 59	Earl E. May Seed Co., Shenandoah	3,000	101.96	56.33	85.0	29.2	42.8	11.4	3.0	2.0
C320	Clarke Hybrid Corn Co., Conrad	1,174	101.52	55.46	78.7	27.1	40.7	14.0	3.0	3.4
W-310	Wilson Hybrids, Inc., Harlan	1,000	101.01	62.46	83.3	31.3	51.2	10.0	3.0	1.2
Farmers 555	Farmers Hybrid Seed Corn Co., Hampton	1,800	100.52	56.67	79.7	32.6	46.9	7.5	2.8	2.5
U. S. Hybrid 35	Iowa Crop Improvement Assn., Ames	Comp.	100.04	55.48	80.8	32.4	43.3	10.8	2.8	1.0
Heim 600C	Heim Hybrid Seed Corn Co., Lake City	700	99.99	63.41	82.3	30.7	57.9	6.1	3.0	1.2
Coppock 52A	Marion Coppock, Ankeny	700	99.95	65.93	80.3	27.0	62.7	6.2	2.8	1.7
77-H	Holden Hybrid Seed Farms, Tipton	1,500	99.36	61.16	89.3	30.9	53.4	8.6	3.0	2.2

800

Farmers 555	Farmers Hybrid Seed Corn Co., Hampton	1,800	100.52	56.67	79.7	32.6	46.9	7.5	2.8	2.5	
U. S. Hybrid 35	Iowa Crop Improvement Assn., Ames	Comp.	100.04	55.48	80.8	32.4	43.3	10.8	2.8	1.0	
Heim 609C	Heim Hybrid Seed Corn Co., Lake City	700	99.99	63.41	82.3	30.7	57.9	6.1	3.0	1.2	
Robinson and Hutchcroft: The 1951 Iowa corn yield test											
Coppock 52A	Marion Coppock, Ankeny	700	99.95	65.93	80.3	27.0	62.7	6.2	2.8	1.7	
77-H	Holden Hybrid Seed Farms, Tipton	1,500	99.36	61.16	89.3	30.9	53.4	8.6	3.0	2.2	
Iowa Hybrid 4298	Iowa Crop Improvement Assn., Ames	Comp.	99.31	61.48	81.7	30.0	55.9	7.4	3.0	0.4	
Maygold 49	Earl E. May Seed Co., Shenandoah	12,600	99.10	54.55	75.3	32.6	39.8	14.2	3.0	2.2	
PAG 347	Arthur Walter Seed Co., Grand Ridge, Ill.	8,000	99.05	62.81	89.7	27.7	53.2	12.6	3.0	3.4	
Pioneer 340	Iowa Corn & Small Grain Growers Assn., Ames	*	98.10	58.89	83.0	27.2	42.6	20.9	2.8	1.2	
Pioneer 300	Garst & Thomas Hybrid Corn Co., Coon Rapids	125,000	97.89	62.49	86.7	32.6	46.2	18.5	3.0	1.5	
Pioneer 350B	Iowa Corn & Small Grain Growers Assn., Ames	*	97.78	63.67	84.7	25.8	57.1	12.6	3.0	2.8	
PAG 281	J. M. Hunt & Son, Ackley	300	97.70	60.16	84.0	30.4	50.4	13.1	3.0	1.6	
Federal 41	Federal Hybrids, Marion	50	97.45	58.24	85.3	30.1	52.7	9.0	3.0	2.3	
Pioneer 336	Garst & Thomas Hybrid Corn Co., Coon Rapids	10,070	97.15	54.16	80.7	32.4	41.3	14.9	3.0	2.5	
PAG X874	Newcomer Hybrid Corn Co., N. Henderson, Ill.	550	97.09	60.54	85.0	27.4	50.6	14.9	3.2	6.3	
Bear OK-50	Bear Hybrids Corn Co., Decatur, Ill.	1,000	97.08	64.39	81.7	28.5	57.6	12.7	3.0	1.2	
U49	United Hybrid Growers Assn., Shenandoah	6,700	96.97	52.56	80.7	31.9	44.6	10.7	3.0	0.4	
PAG Ex4341	Pfister Associated Growers, Inc., Aurora, Ill.	200	96.93	60.44	81.0	26.1	56.4	10.7	2.8	2.5	
CH-58	Christoffersen & Son, Audubon	300	96.78	65.30	88.0	32.6	61.0	8.3	3.0	1.1	
Pioneer X6035	Pioneer Hi-Bred Corn Co., Des Moines	55	96.52	61.05	79.7	28.8	59.0	8.0	3.0	1.7	
Pioneer 350	Iowa Corn & Small Grain Growers Assn., Ames	*	96.47	62.51	80.7	26.7	50.0	19.8	3.0	1.7	
U53	United Hybrid Growers Assn., Shenandoah	150	96.27	60.39	81.3	33.8	54.9	8.6	2.8	2.5	
Funk G-65	Funk Bros. Seed Co., Belle Plaine	1,471	95.64	62.65	75.3	30.2	59.3	9.7	2.8	2.2	
PAG 347	Pfister Associated Growers, Inc., Monroe	12,000	95.42	58.02	80.3	28.7	54.4	10.8	3.0	1.2	
W-205A	Wilson Hybrids, Inc., Harlan	3,000	95.14	64.00	83.7	30.6	59.8	11.2	3.0	2.4	
U. S. Hybrid 13	Iowa Crop Improvement Assn., Ames	Comp.	93.73	56.59	77.7	32.6	45.9	17.2	3.2	3.9	
Ohio Hybrid C92	Iowa State Hybrid Corn Co., Elkhart	500	93.46	59.98	88.3	30.4	62.3	6.8	3.0	1.1	
Iowa Hybrid 4525	Agronomy (FC) & U.S.D.A., Ames	7 lb.	92.75	66.48	84.2	32.4	70.8	5.5	3.0	0.5	
337	Cargill, Inc., Grinnell	1,180	92.37	56.55	82.7	32.6	53.6	11.7	3.0	1.6	
Crow Deep Root	Crow Hybrid Corn Co., Nevada	15,000	92.26	54.38	78.7	27.3	59.3	6.8	2.8	1.3	
ACE 340-N	Eliason Seed Sales, West Liberty	200	91.68	58.76	80.7	31.5	55.4	12.8	3.0	7.0	
300A	Cargill Inc., Grinnell	6,000	90.32	63.12	87.7	30.9	64.3	12.2	3.0	1.1	
Ohio Hybrid C92	J. H. Isenhardt, Batavia	1,900	90.20	57.54	87.1	30.0	63.6	7.2	3.0	1.4	
U50	United Hybrid Growers Assn., Shenandoah	1,500	90.14	50.73	75.0	28.0	50.2	14.2	3.0	1.3	
Cornhusker 148	Cornhusker Hybrid Co., Fremont, Nebr.	37,500	89.27	61.26	79.3	30.4	68.5	7.6	3.0	1.3	
Crow 660	Crow Hybrid Corn Co., Nevada	2,500	88.66	54.80	86.7	27.1	62.7	8.9	3.0	1.2	
333	Cargill, Inc., Grinnell	490	88.26	60.51	85.0	31.6	65.9	9.8	3.0	2.0	
Farmers 488	Iowa Corn & Small Grain Growers Assn., Ames	*	86.68	53.02	78.3	32.6	61.7	6.8	2.8	3.8	
Pioneer 300	Pioneer Hi-Bred Corn Co., Des Moines	5,700	86.10	59.23	77.2	32.4	64.8	12.2	3.0	0.7	
Iowa Hybrid 4297	Iowa Corn & Small Grain Growers Assn., Ames	*	85.99	58.25	78.7	27.7	64.8	14.0	2.6	0.0	
DeKalb 627	Iowa Corn & Small Grain Growers Assn., Ames	*	85.16	63.02	86.7	28.6	76.2	8.5	2.8	0.8	
Farmers 509	Farmers Hybrid Seed Corn Co., Hampton	1,800	83.99	55.87	79.3	32.6	65.6	10.1	3.0	2.1	
PAG Ex4506	Associated Pfister Growers, Inc., Davenport	350	83.12	56.56	74.3	29.2	65.9	13.5	2.8	2.7	
PAG 170	Associated Pfister Growers, Inc., Davenport	2,000	82.10	58.29	79.0	31.3	68.4	13.5	3.0	0.8	
Pioneer 335	Iowa Corn & Small Grain Growers Assn., Ames	*	80.51	61.01	85.3	30.7	73.8	13.3	3.0	2.0	
Pioneer 335	Pioneer Hi-Bred Corn Co., Des Moines	38,700	76.42	56.35	78.7	30.9	78.4	8.9	3.0	1.7	
Average of all entries					59.71	82.0	30.1	49.6	10.4	3.0	2.0

* Widely grown hybrids as determined by a survey of farmers.

† Differences in yield between any two entries of less than 8.21 bushels an acre are not considered significant.

TABLE 19. DISTRICT EIGHT

This table shows the performance of 81 hybrids tested near Slater in Story County.

Cooperator—Gilbert Winkelmann

Date planted—May 23 and 24, 1951

Date harvested—Nov. 1 and 2, 1951

Hybrid	Name and address of entrant	Bushels available for plant- ing in 1951	Perform- ance score	Acre yield bu.†	Stand pct.	Moist. pct.	Lodging pct. root stalk	Ear ht.	Drop'd ears pct.	
C-25	Carlson Hybrid Corn Co., Audubon	100	108.28	84.56	92.5	22.4	0.9	0.0	2.6	1.4
PAG Ex4341	Pfister Associated Growers, Inc., Aurora, Ill.	200	107.87	84.37	93.8	22.4	0.9	1.3	2.6	0.4
Iowa Hybrid 4525	Agronomy (FC) & U.S.D.A., Ames	7 lb.	106.35	83.24	94.3	25.8	0.0	0.6	2.5	0.0
PAG 392	Pfister Associated Growers, Inc., Monroe	6,000	105.84	80.72	95.4	22.1	0.4	0.9	3.0	0.4
Moews 14	Iowa Corn & Small Grain Growers Assn., Ames	*	105.55	80.38	93.8	20.1	0.4	3.6	2.4	0.4
Bear OK-50	Bear Hybrids Corn Co., Decatur, Ill.	1,000	105.30	80.86	92.5	23.6	0.0	1.4	2.2	0.5
AES 801 (Ia. 4527)	Agronomy (FC) & U.S.D.A., Ames	14 lb.	105.28	81.69	94.6	25.8	0.0	0.4	2.2	0.4
Iowa Hybrid 4517	Agronomy (FC) & U.S.D.A., Ames	10 lb.	105.22	81.51	94.2	25.8	0.0	0.4	2.6	0.0
Coppock 52A	Marion Coppock, Ankeny	700	104.57	79.56	94.2	22.4	0.0	2.7	2.2	0.0
Federal 41	Federal Hybrids, Marion	50	104.31	79.24	93.8	22.4	1.1	1.7	3.0	0.0
307H	Harper Hardy Hybrids, Vinton	300	104.10	78.86	91.3	22.7	0.5	1.8	2.6	0.0
Tomahawk 85	Thompson Hybrid Corn Co., Inc., Belmond	1,867	104.04	80.32	93.8	22.4	0.0	5.8	3.0	0.4
PAG X874	Newcomer Hybrid Corn Co., N. Henderson, Ill.	550	103.95	78.91	94.3	22.2	0.0	3.3	3.0	0.6
Pioneer X6035	Pioneer Hi-Bred Corn Co., Des Moines	55	103.69	78.76	94.3	23.6	1.7	0.6	2.3	0.0
Tomahawk 80	Thompson Hybrid Corn Co., Inc., Belmond	1,799	103.42	78.99	94.6	25.1	0.0	1.8	2.8	0.0
333	Cargill, Inc., Grinnell	490	103.16	79.19	93.8	23.6	0.0	4.0	3.0	1.8
Pioneer 335	Pioneer Hi-Bred Corn Co., Des Moines	38,700	103.10	78.96	95.4	25.8	0.0	1.8	3.0	0.0
Pioneer 335	Iowa Corn & Small Grain Growers Assn., Ames	*	103.08	79.09	93.8	24.0	1.3	3.1	2.6	0.0
77-H	Holden Hybrid Seed Farms, Tipton	1,500	103.06	78.54	94.2	24.0	0.0	3.1	3.0	0.4
Iowa Hybrid 4531	Agronomy (FC) & U.S.D.A., Ames	6 lb.	103.01	78.91	92.1	26.4	0.0	0.9	2.8	0.5
J-24	Jacobsen Hybrid Corn Co., Lake View	450	102.91	78.29	95.0	24.3	0.0	2.6	2.2	0.4
Heim 609C	Heim Hybrid Seed Corn Co., Lake City	700	102.65	77.86	90.8	24.3	0.0	2.8	2.2	0.0
W-205A	Wilson Hybrids, Inc., Harlan	3,000	102.47	77.52	96.7	23.6	0.9	2.6	2.4	0.0
PAG 347	Arthur Walter Seed Co., Grand Ridge, Ill.	8,000	102.34	77.11	93.8	23.0	0.0	3.6	2.4	0.4
Iowa Hybrid 4298	Iowa Crop Improvement Assn., Ames	Comp.	102.23	75.52	95.8	22.7	0.0	0.9	2.4	0.4
Crow Deep Root	Crow Hybrid Corn Co., Nevada	15,000	101.84	73.44	93.8	19.8	0.0	1.3	2.0	0.4
Funk G-65	Funk Bros. Seed Co., Belle Plaine	1,471	101.82	77.56	92.1	24.3	0.0	4.5	2.4	0.5
Pioneer 300	Garst & Thomas Hybrid Corn Co., Coon Rapids	125,000	101.76	78.38	91.7	26.4	0.0	4.0	3.0	0.0
Iowa Hybrid 4385	Iowa Crop Improvement Assn., Ames	Comp.	101.58	74.81	93.3	22.4	0.0	1.8	3.0	0.5
825	W. O. McCurdy & Sons, Fremont	600	101.55	77.06	94.6	25.8	0.9	1.3	2.8	0.9
Ohio Hybrid C92	Iowa State Hybrid Corn Co., Elkhart	500	101.31	75.16	94.3	24.0	0.0	1.7	3.0	0.0
Pioneer 339	Iowa Corn & Small Grain Growers Assn., Ames	*	101.00	75.70	91.7	21.6	0.0	6.3	2.8	1.1
Pioneer 350B	Iowa Corn & Small Grain Growers Assn., Ames	*	100.90	74.69	91.7	21.9	1.4	3.2	2.6	0.0
Iowa Hybrid 4297	Iowa Corn & Small Grain Growers Assn., Ames	*	100.86	72.77	92.7	20.1	0.0	2.8	2.3	0.0
Cornhusker 148	Cornhusker Hybrid Co., Fremont, Nebr.	37,500	100.53	76.22	90.8	23.6	4.6	2.3	2.8	0.0
300A	Cargill, Inc., Grinnell	6,000	100.52	75.10	90.8	23.0	2.3	2.8	2.2	0.5
152	152 Hybrid Growers Assn., Shenandoah	6,000	100.48	75.46	95.8	22.3	0.0	7.1	2.8	0.0
152	152 Corn & Small Grain Growers Assn., Ames	*	100.44	74.49	91.3	22.0	0.9	4.6	2.0	0.0

300A	Cargill, Inc., Grinnell	6,000	100.52	75.10	90.8	23.0	2.3	2.8	2.2	0.5
U52	United Hybrid Growers Assn., Shenandoah	6,000	100.48	75.46	95.8	22.3	0.0	7.1	2.8	0.0
DeKalb 627	Iowa Corn & Small Grain Growers Assn., Ames	*	100.44	74.49	91.3	22.0	0.9	4.6	2.0	0.0
Robinson and Hutchcroft: The 1951 Iowa corn yield test										
PAG 347	Pfister Associated Growers, Inc., Monroe	12,000	100.44	73.62	90.8	20.7	0.9	4.1	2.0	0.5
ACE 340-N	Eliaison Seed Sales, West Liberty	200	99.90	75.11	88.8	24.3	2.4	3.3	3.0	0.0
Turner S57	Turner Hybrid Seed Corn Co., Grand Junction	4,000	99.43	73.25	85.9	25.8	1.2	0.0	3.0	0.0
Pioneer 301	Garst & Thomas Hybrid Corn Co., Coon Rapids	9,442	99.28	74.32	90.8	26.4	0.0	3.2	2.2	0.0
Ohio Hybrid C92	Iowa Corn & Small Grain Growers Assn., Ames	*	99.27	73.27	92.1	25.1	0.0	2.7	2.8	0.0
Maygold 59	Earl E. May Seed Co., Shenandoah	3,000	99.25	72.36	92.5	24.3	0.0	1.4	3.0	0.9
Crow 660	Crow Hybrid Corn Co., Nevada	2,500	99.12	70.85	90.4	22.0	0.5	1.4	2.4	0.0
Pioneer 350	Iowa Corn & Small Grain Growers Assn., Ames	*	99.02	71.97	93.3	21.6	0.5	4.5	2.2	0.5
Funk G-37	Funk Bros. Seed Co., Belle Plaine	7,579	98.90	73.73	92.7	25.8	2.3	1.7	3.0	0.0
117M	W. O. McCurdy & Sons, Fremont	1,100	98.87	72.39	95.4	24.0	0.0	3.1	2.6	0.9
Pioneer 340	Iowa Corn & Small Grain Growers Assn., Ames	*	98.71	72.13	90.8	23.6	0.9	2.8	2.0	0.5
Federal 155	Federal Hybrids, Marion	1,200	98.67	73.03	91.3	25.1	0.5	3.7	2.6	0.0
U. S. Hybrid 35	Iowa Crop Improvement Assn., Ames	Comp.	98.54	73.60	93.2	23.0	2.8	5.6	2.5	0.0
C-22	Carlson Hybrid Corn Co., Audubon	1,500	98.53	73.16	92.9	24.3	0.0	5.4	2.8	0.9
Farmers 555	Farmers Hybrid Seed Corn Co., Hampton	1,800	98.46	72.30	89.6	24.3	0.5	3.3	2.6	0.9
C277	Clarke Hybrid Corn Co., Conrad	1,738	98.43	71.68	93.8	21.9	0.0	5.8	2.2	0.4
U47A	United Hybrid Growers Assn., Shenandoah	6,000	98.40	71.15	93.8	22.3	1.3	3.1	2.4	0.0
W-310	Wilson Hybrids, Inc., Harlan	1,000	98.24	72.64	92.5	24.0	1.4	4.5	2.2	0.5
H-3	Holden Foundation Hybrids, Williamsburg	60	98.16	70.71	90.6	24.3	0.0	1.7	2.8	0.0
Pioneer 300	Pioneer Hi-Bred Corn Co., Des Moines	5,700	97.97	74.87	96.7	28.8	0.4	5.2	3.0	0.0
Ohio Hybrid C92	J. H. Isenhardt, Batavia	1,900	97.85	71.89	87.5	25.8	2.4	1.0	2.6	0.0
Cornhusker 75	Cornhusker Hybrid Co., Fremont, Nebr.	13,500	97.81	71.39	92.7	22.4	1.7	4.5	2.8	1.1
U59	United Hybrid Growers Assn., Shenandoah	7,500	97.81	74.03	92.5	27.9	0.5	5.0	3.0	0.0
Maygold 49	Earl E. May Seed Co., Shenandoah	12,600	97.73	71.29	84.9	25.8	0.0	2.5	2.5	0.0
PAG 170	Associated Pfister Growers, Inc., Davenport	2,000	97.70	71.11	93.8	25.1	0.0	3.1	2.8	0.0
U53	United Hybrid Growers Assn., Shenandoah	150	97.64	72.09	85.9	26.4	2.4	1.2	2.8	0.0
57-H	Holden Hybrid Seed Farms, Tipton	800	97.51	72.67	94.2	27.7	1.8	1.8	2.4	0.4
PAG Ex4506	Associated Pfister Growers, Inc., Davenport	350	97.33	72.07	92.5	25.8	0.9	4.5	2.2	0.0
987M	W. O. McCurdy & Sons, Fremont	2,000	97.00	70.73	91.7	24.0	1.4	4.6	2.6	0.0
CH-58	Christoffersen & Son, Audubon	300	96.92	71.00	94.2	25.8	0.4	3.5	2.6	0.9
Funk G-54	Funk Bros. Seed Co., Belle Plaine	2,522	96.78	71.35	92.7	25.8	2.3	2.8	2.5	1.1
Cornelius C66	Cornelius Hybrid Corn Co., Bellevue	100	96.52	69.93	92.5	25.8	0.0	3.2	2.6	0.5
Pioneer 336	Garst & Thomas Hybrid Corn Co., Coon Rapids	10,070	96.32	71.26	92.5	26.4	1.4	4.5	3.0	0.5
U49	United Hybrid Growers Assn., Shenandoah	6,700	96.30	69.18	91.3	25.1	0.9	2.3	3.0	0.5
PAG 281	J. M. Hunt & Son, Ackley	300	96.28	68.45	87.5	24.3	0.0	2.9	2.4	0.0
C320	Clarke Hybrid Corn Co., Conrad	1,174	95.23	66.98	89.6	24.0	0.0	3.5	2.5	0.0
Funk G-60	Funk Bros. Seed Co., Belle Plaine	7,590	95.01	68.46	93.3	25.1	0.9	4.9	3.0	0.5
U50	United Hybrid Growers Assn., Shenandoah	1,500	94.64	66.82	88.3	23.3	0.0	5.7	2.8	0.5
Farmers 488	Iowa Corn & Small Grain Growers Assn., Ames	*	94.34	66.03	89.1	26.4	0.6	0.6	2.5	0.0
U. S. Hybrid 13	Iowa Crop Improvement Assn., Ames	Comp.	94.16	68.63	83.8	26.7	0.0	6.5	3.0	1.0
Farmers 509	Farmers Hybrid Seed Corn Co., Hampton	1,800	94.00	69.73	88.8	28.2	3.3	4.7	3.0	0.0
337	Cargill, Inc., Grinnell	1,180	91.10	62.34	87.5	27.4	0.5	1.9	2.6	0.0
Iowa Hybrid 4535	Agronomy (FC) & U.S.D.A., Ames	6 lb.	85.89	55.15	87.5	26.4	1.8	3.0	2.0	0.0
Average of all entries				74.35	92.2	24.2	0.7	2.9	2.6	0.0

* Widely grown hybrids as determined by a survey of farmers.

† Differences in yield between any two entries of less than 7.38 bushels an acre are not considered significant.

TABLE 20. DISTRICT NINE

This table shows the performance of 81 hybrids tested near Durant in Cedar County.

Cooperator—Lyle Chapman

Date planted—May 17, 1951

Date harvested—Oct. 29 and 30, 1951

Hybrid	Name and address of entrant	Bushels available for plant- ing in 1951	Perform- ance score	Acre yield bu.†	Stand pct.	Moist. pct.	Lodging pct. root stalk	Ear ht.	Drop'd ears pct.
Pioneer X6035	Pioneer Hi-Bred Corn Co., Des Moines	55	110.71	104.89	87.7	27.7	13.7	6.1	3.0
PAG Ex4341	Pfister Associated Growers, Inc., Aurora, Ill.	200	109.97	96.09	89.0	25.8	3.4	7.5	3.0
C-25	Carlson Hybrid Corn Co., Audubon	100	109.19	98.28	88.7	26.4	1.1	13.9	3.6
Pioneer 301	Garst & Thomas Hybrid Corn Co., Coon Rapids	9,442	109.18	98.73	92.7	25.8	6.5	10.4	3.8
Iowa Hybrid 4517	Agronomy (FC) & U.S.D.A., Ames	10 lb.	108.44	99.72	85.3	28.2	7.0	10.2	3.6
AES 801 (Ia. 4527)	Agronomy (FC) & U.S.D.A., Ames	14 lb.	108.33	91.62	87.0	29.4	0.4	5.0	3.2
Cornhusker 148	Cornhusker Hybrid Co., Fremont, Nebr.	37,500	108.33	94.46	81.3	25.8	2.5	9.8	3.2
Bear OK-50	Bear Hybrids Corn Co., Decatur, Ill.	1,000	107.94	99.65	86.7	28.8	5.4	12.7	3.6
Ohio Hybrid C92	Iowa Corn & Small Grain Growers Assn., Ames	*	107.80	96.42	90.3	25.1	6.6	11.1	3.8
Tomahawk 80	Thompson Hybrid Corn Co., Inc., Belmont	1,799	107.74	96.33	91.3	27.1	2.2	12.4	3.4
987M	W. O. McCurdy & Sons, Fremont	2,000	107.67	95.20	87.7	25.8	3.0	12.6	4.0
Cornelius C66	Cornelius Hybrid Corn Co., Bellevue	100	106.33	96.52	91.3	24.3	2.6	19.7	3.2
Federal 155	Federal Hybrids, Marion	1,200	106.31	96.52	94.0	25.4	1.1	19.9	3.6
117M	W. O. McCurdy & Sons, Fremont	1,100	105.79	95.08	89.0	25.4	4.1	16.5	3.8
U47A	United Hybrid Growers Assn., Shenandoah	6,000	105.09	95.37	91.3	24.7	6.2	17.2	3.6
825	W. O. McCurdy & Sons, Fremont	600	104.87	89.89	90.3	26.4	1.9	12.6	3.8
307H	Harper Hardy Hybrids, Vinton	300	104.36	96.45	91.7	25.0	16.4	9.8	3.6
U. S. Hybrid 13	Iowa Crop Improvement Assn., Ames	Comp.	103.98	94.39	88.0	27.7	12.1	9.5	4.0
Ohio Hybrid C92	Iowa State Hybrid Corn Co., Elkhart	500	103.98	92.66	85.0	27.4	3.9	15.7	4.0
U. S. Hybrid 35	Iowa Crop Improvement Assn., Ames	Comp.	103.80	89.06	89.7	27.1	2.6	12.6	3.8
Ohio Hybrid C92	J. H. Isenhardt, Batavia	1,900	103.60	91.56	84.0	26.4	3.6	16.3	3.8
W-310	Wilson Hybrids, Inc., Harlan	1,000	103.58	92.78	83.3	25.8	3.2	18.4	3.4
Coppock 52A	Marion Coppock, Ankeny	700	103.23	98.63	90.3	24.3	12.6	20.3	3.0
J-24	Jacobsen Hybrid Corn Co., Lake View	450	103.22	93.81	87.3	27.9	15.7	6.9	3.2
U53	United Hybrid Growers Assn., Shenandoah	150	103.06	88.27	84.0	27.9	4.8	10.3	3.2
U52	United Hybrid Growers Assn., Shenandoah	6,000	102.90	90.80	88.3	24.7	7.2	15.1	3.4
PAG 347	Arthur Walter Seed Co., Grand Ridge, Ill.	8,000	102.36	89.78	91.0	24.7	2.9	19.4	3.0
Cornhusker 75	Cornhusker Hybrid Co., Fremont, Nebr.	13,500	102.26	90.36	90.0	26.4	5.2	16.3	3.4
Maygold 49	Earl E. May Seed Co., Shenandoah	12,600	102.20	89.59	83.0	26.1	0.4	20.5	4.0
Pioneer 350B	Iowa Corn & Small Grain Growers Assn., Ames	*	102.10	95.97	87.3	24.0	11.1	21.4	3.4
W-205A	Wilson Hybrids, Inc., Harlan	3,000	102.00	94.61	91.0	27.4	10.6	16.5	3.4
Funk G-54	Funk Bros. Seed Co., Belle Plaine	2,522	101.80	86.56	86.3	27.4	1.2	14.7	3.0
Federal 41	Federal Hybrids, Marion	50	101.76	84.21	80.0	26.4	2.9	11.3	3.4
Turner S57	Turner Hybrid Seed Corn Co., Grand Junction	4,000	101.76	91.17	87.0	27.4	3.5	19.2	3.8
Crow Deep Root	Crow Hybrid Corn Co., Nevada	15,000	101.41	80.06	83.0	23.6	5.6	6.8	3.2
PAG 392	Pfister Associated Growers, Inc., Monroe	6,000	101.27	88.33	85.0	24.7	8.6	14.1	3.4
C320	Clarke Hybrid Corn Co., Conrad	1,174	101.17	84.87	82.7	24.3	2.4	16.1	3.4
C27	Clarke Hybrid Corn Co., Conrad	1,738	100.95	79.93	82.3	25.1	2.4	8.9	3.6
U59	United Hybrid Growers Assn., Shenandoah	7,500	100.87	86.69	86.7	27.7	1.9	16.5	3.8
CH-58	Christoffersen & Son, Audubon	300	100.70	89.10	79.7	28.2	4.2	17.6	3.0

PAG 392	Pfister Associated Growers, Inc., Monroe	6,000	101.27	88.33	85.0	24.7	8.6	14.1	3.4	1.2
C320	Clarke Hybrid Corn Co., Conrad	1,174	101.17	84.87	82.7	24.3	2.4	16.1	3.4	1.2
C277	Clarke Hybrid Corn Co., Conrad	1,738	100.95	79.93	82.3	25.1	2.4	8.9	3.6	1.6

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U59	United Hybrid Growers Assn., Shenandoah	7,500	100.87	86.69	86.7	27.7	1.9	16.5	3.8	1.2	
CH-58	Christoffersen & Son, Audubon	300	100.70	89.10	79.7	28.2	4.2	17.6	3.0	0.8	
Farmers 555	Farmers Hybrid Seed Corn Co., Hampton	1,800	100.64	86.08	82.7	26.1	1.6	18.6	3.6	0.0	
Pioneer 300	Pioneer Hi-Bred Corn Co., Des Moines	5,700	100.28	100.62	91.0	25.8	11.4	30.0	4.0	0.4	
333	Cargill, Inc., Grinnell	490	100.14	94.47	88.7	27.9	15.0	16.2	3.6	0.0	
Iowa Hybrid 4531	Agronomy (FC) & U.S.D.A., Ames	6 lb.	99.92	89.39	86.3	27.7	4.3	20.5	3.8	0.8	
U50	United Hybrid Growers Assn., Shenandoah	1,500	99.32	76.27	70.7	22.3	6.6	7.1	3.4	0.0	
Iowa Hybrid 4385	Iowa Crop Improvement Assn., Ames	Comp.	99.11	79.82	77.7	25.8	2.2	13.3	3.8	0.4	
Pioneer 300	Garst & Thomas Hybrid Corn Co., Coon Rapids	125,000	98.73	98.36	88.7	25.8	15.8	26.3	3.8	0.4	
Funk G-65	Funk Bros. Seed Co., Belle Plaine	1,471	98.50	85.20	81.0	24.3	4.5	21.4	3.4	0.4	
Tomahawk 85	Thompson Hybrid Corn Co., Inc., Belmond	1,867	98.35	90.67	86.3	25.8	5.4	26.3	3.6	2.3	
Pioneer 339	Iowa Corn & Small Grain Growers Assn., Ames	*	98.28	88.14	85.3	25.8	13.7	15.2	3.4	0.8	
PAG 347	Pfister Associated Growers, Inc., Monroe	12,000	98.27	79.08	77.3	23.6	6.9	11.6	3.0	0.9	
Pioneer 336	Garst & Thomas Hybrid Corn Co., Coon Rapids	10,070	98.18	86.85	83.3	27.1	6.0	19.9	4.0	1.2	
Heim 609C	Heim Hybrid Seed Corn Co., Lake City	700	97.92	90.40	92.3	27.1	12.3	19.1	3.0	1.4	
77-H	Holden Hybrid Seed Farms, Tipton	1,500	97.87	93.46	89.0	25.8	8.2	29.2	3.8	0.4	
Maygold 59	Earl E. May Seed Co., Shenandoah	3,000	97.08	80.62	85.3	26.4	2.7	18.4	3.8	0.0	
Funk G-37	Funk Bros. Seed Co., Belle Plaine	7,579	97.04	83.24	82.3	27.1	2.0	21.9	3.8	0.8	
C-22	Carlson Hybrid Corn Co., Audubon	1,500	97.03	85.37	86.3	26.8	5.4	21.6	3.6	1.2	
Pioneer 335	Iowa Corn & Small Grain Growers Assn., Ames	*	96.92	97.95	87.3	26.8	34.4	10.7	3.2	0.4	
Pioneer 350	Iowa Corn & Small Grain Growers Assn., Ames	*	96.25	90.82	88.3	23.6	12.8	27.2	3.8	0.4	
57-H	Holden Hybrid Seed Farms, Tipton	800	96.21	76.90	88.0	28.5	8.3	6.8	3.2	2.3	
Pioneer 335	Pioneer Hi-Bred Corn Co., Des Moines	38,700	96.14	96.25	88.3	27.4	30.2	14.0	3.4	0.0	
U49	United Hybrid Growers Assn., Shenandoah	6,700	96.11	81.50	86.3	26.4	7.0	17.8	3.8	0.0	
Iowa Hybrid 4525	Agronomy (FC) & U.S.D.A., Ames	7 lb.	95.80	93.66	87.7	27.9	14.5	26.2	3.2	0.4	
H-3	Holden Foundation Hybrids, Williamsburg	60	95.71	79.79	78.0	27.6	5.6	16.2	4.0	0.9	
PAG Ex4506	Associated Pfister Growers, Inc., Davenport	350	95.69	88.91	92.7	27.1	7.6	27.7	3.0	0.4	
Iowa Hybrid 4298	Iowa Crop Improvement Assn., Ames	Comp.	95.69	88.35	88.3	25.8	12.5	23.0	3.2	1.1	
Pioneer 340	Iowa Corn & Small Grain Growers Assn., Ames	*	95.50	79.35	81.7	25.8	2.5	20.8	3.2	1.6	
PAG X874	Newcomer Hybrid Corn Co., N. Henderson, Ill.	550	94.43	87.67	87.7	25.8	10.7	27.0	3.8	1.1	
PAG 170	Associated Pfister Growers, Inc., Davenport	2,000	94.26	84.98	85.3	25.8	13.7	21.1	3.4	0.0	
Farmers 488	Iowa Corn & Small Grain Growers Assn., Ames	*	94.12	87.79	87.3	27.4	13.7	23.7	3.8	0.0	
Iowa Hybrid 4535	Agronomy (FC) & U.S.D.A., Ames	6 lb.	93.80	67.86	81.7	28.2	2.0	7.4	3.2	0.8	
DeKalb 627	Iowa Corn & Small Grain Growers Assn., Ames	*	93.72	87.58	87.7	24.3	15.6	25.5	3.0	0.4	
Crow 660	Crow Hybrid Corn Co., Nevada	2,500	93.49	81.96	84.7	25.1	11.0	22.1	3.6	0.4	
Funk G-60	Funk Bros. Seed Co., Belle Plaine	7,590	93.01	79.14	84.7	27.7	13.8	13.8	3.8	0.8	
Iowa Hybrid 4297	Iowa Corn & Small Grain Growers Assn., Ames	*	92.40	79.73	86.3	26.4	17.0	14.3	3.0	0.4	
300A	Cargill, Inc., Grinnell	6,000	91.19	80.51	87.7	28.2	2.7	30.0	3.0	2.7	
ACE 340-N	Eliason Seed Sales, West Liberty	200	90.37	94.09	86.0	25.8	11.6	45.0	3.8	1.2	
337	Cargill, Inc., Grinnell	1,180	88.90	80.34	86.3	27.9	14.3	24.7	3.6	1.2	
Moews 14	Iowa Corn & Small Grain Growers Assn., Ames	*	88.61	83.67	86.7	25.1	15.8	31.9	3.6	0.0	
PAG 281	J. M. Hunt & Son, Ackley	300	87.94	83.49	87.7	24.0	14.8	35.4	3.8	0.0	
Farmers 509	Farmers Hybrid Seed Corn Co., Hampton	1,800	85.10	85.23	86.7	27.4	18.9	36.9	3.8	1.2	
Average of all entries					89.26	86.4	26.3	8.0	17.7	3.5	0.8

* Widely grown hybrids as determined by a survey of farmers.

† Differences in yield between any two entries of less than 9.40 bushels an acre are not considered significant.

TABLE 21. DISTRICT ELEVEN

This table shows the performance of 64 hybrids tested near Creston in Union County.
 Cooperators—Ed. Hanrahan and Gene Dunphy Date planted—May 18, 1951 Date harvested—Oct. 25 and 26, 1951

Hybrid	Name and address of entrant	Bushels available for plant- ing in 1951	Perform- ance score	Acre yield bu.†	Stand pct.	Moist. pct.	Lodging pct. root stalk		Ear ht.	Drop'd ears pct.
Bear OK-89	Bear Hybrids Corn Co., Decatur, Ill.	500	109.35	86.28	93.1	26.6	3.6	6.0	3.2	0.6
Maygold 59A	Earl E. May Seed Co., Shenandoah	19,600	108.79	84.33	91.7	23.4	2.7	8.2	3.2	0.9
C318	Clarke Hybrid Corn Co., Conrad	167	106.72	84.72	96.7	21.9	4.3	13.8	3.0	0.9
PAG Ex4343	Pfister Associated Growers, Inc., Monroe	1,200	106.23	87.04	93.6	21.4	13.1	10.4	3.0	0.3
Maygold 50A	Earl E. May Seed Co., Shenandoah	60	105.83	84.43	91.4	24.8	3.0	14.3	2.8	0.0
Isenhardt 141	J. H. Isenhardt, Batavia	250	105.71	90.84	95.3	25.2	14.0	12.8	3.0	0.3
Dockendorff 13A	Wm. Dockendorff & Sons, Danville	550	105.66	88.31	95.8	25.2	8.7	14.2	3.0	0.9
Federal 40	Federal Hybrids, Marion	50	105.09	85.90	91.9	22.5	14.5	9.1	3.0	0.0
Pioneer 302	Garst & Thomas Hybrid Corn Co., Coon Rapids	25,000	104.93	81.74	94.4	26.2	7.4	6.5	3.3	0.6
Iowa-Missouri 375A	Iowa-Missouri Hybrid Corn Co., Keosauqua	1,341	104.86	86.46	94.4	24.1	10.0	13.2	3.0	0.6
Turner T60	Turner Hybrid Seed Corn Co., Grand Junction	1,800	104.48	81.82	94.2	22.1	9.7	9.4	3.0	0.3
123-1	W. O. McCurdy & Sons, Fremont	600	104.42	83.26	94.7	27.2	5.9	10.6	3.0	0.6
M13	Munson Hybrids, Galesburg, Ill.	1,000	104.29	85.51	94.4	23.7	9.7	13.8	3.0	0.6
Iowa Hybrid 4385	Iowa Crop Improvement Assn., Ames	Comp.	104.05	81.09	94.4	21.8	7.4	12.1	3.2	0.3
Heim 950C	Heim Hybrid Seed Corn Co., Lake City	60	103.76	82.93	91.9	23.1	10.3	11.5	3.0	0.0
Null N-68	Null Seed Farms, Colchester, Ill.	345	103.68	85.30	93.1	24.8	18.5	5.4	3.0	0.0
Maygold 47	Earl E. May Seed Co., Shenandoah	4,000	103.15	84.54	94.2	25.5	7.1	16.2	3.0	0.0
124-H	Holden Hybrid Seed Farms, Tipton	300	103.14	81.26	95.3	25.9	5.3	12.5	3.0	0.6
Pioneer 301	Pioneer Hi-Bred Corn Co., Des Moines	3,360	102.86	90.03	93.1	23.8	23.6	10.5	3.0	0.0
U. S. Hybrid 13	J. H. Isenhardt, Batavia	1,000	102.62	83.96	92.2	24.4	8.1	16.3	2.7	1.2
P121	Piittmann Farm Seeds, Avoca	1,800	102.60	82.89	91.9	26.6	5.7	15.4	2.7	0.0
Farmers 588	Farmers Hybrid Seed Corn Co., Hampton	3,000	102.59	81.95	92.2	23.1	10.5	12.4	3.0	0.6
Funk G-95	Funk Bros. Seed Co., Belle Plaine	2,079	102.45	87.86	95.0	24.4	13.5	17.5	3.0	0.3
PAG 392	Shrock Hybrid Corn Co., Congerville, Ill.	2,000	102.43	80.44	92.2	22.5	6.6	14.8	3.0	1.2
Ohio Hybrid C92	Iowa Corn & Small Grain Growers Assn., Ames	*	102.37	77.43	88.9	23.7	8.4	7.8	3.0	0.0
Pioneer X7482	Pioneer Hi-Bred Corn Co., Des Moines	57	101.41	82.64	90.3	23.4	15.7	11.1	2.8	0.0
U. S. Hybrid 35	Iowa Crop Improvement Assn., Ames	Comp.	101.35	78.08	93.1	27.2	6.6	9.6	3.2	0.6
Cornhusker 63	Cornhusker Hybrid Co., Fremont, Nebr.	5,280	100.75	77.04	90.3	24.8	12.0	6.5	3.0	0.3
DeKalb 847	Iowa Corn & Small Grain Growers Assn., Ames	*	100.52	79.88	91.7	23.1	10.3	14.6	3.2	0.6
218-B	Holden Hybrid Seed Farms, Tipton	1,100	100.51	80.06	95.0	22.1	11.7	14.6	2.8	0.0

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U. S. Hybrid 13	Lincoln Seed Co., Pacific Junction	1,000	100.49	83.10	93.3	25.2	3.6	24.1	3.2	0.9
Meyer 591	Winterset Hybrid Co., Winterset	475	100.46	79.97	97.5	25.5	4.8	17.7	2.8	1.4
CH-68	Christoffersen & Son, Audubon	350	100.00	80.20	93.6	24.4	10.4	14.8	2.8	0.9
W-300	Wilson Hybrids, Inc., Harlan	5,000	99.67	74.39	92.8	23.7	6.6	11.7	3.0	0.0
124-2	W. O. McCurdy & Sons, Fremont	1,400	99.21	74.08	93.6	22.1	7.1	13.4	3.0	0.0
U-BBF50	United Hybrid Growers Assn., Shenandoah	1,300	99.16	75.50	87.2	23.1	5.7	15.9	2.8	0.3
Turner S53	Turner Hybrid Seed Corn Co., Grand Junction	2,000	99.15	76.88	91.7	26.9	6.4	13.6	3.0	0.6
C-33	Carlson Hybrid Corn Co., Audubon	2,000	99.06	79.84	95.8	24.1	9.0	17.7	3.0	2.6
H-44	Holden Foundation Hybrids, Williamsburg	100	98.65	83.10	96.1	24.8	14.2	18.5	3.0	0.6
Crow 608	Crow Hybrid Corn Co., Nevada	1,500	98.56	73.80	86.9	23.1	7.0	13.4	3.0	0.6
349	Cargill, Inc., Grinnell	2,200	98.51	84.55	94.7	25.1	15.0	19.7	3.0	1.2
Funk G-94	Iowa Corn & Small Grain Growers Assn., Ames	*	98.33	81.15	89.7	23.4	9.6	22.0	3.0	1.2
Funk G-99	Funk Bros. Seed Co., Belle Plaine	1,587	98.29	82.79	93.3	25.5	22.0	10.4	3.0	0.3
PAG 185	Missouri Pfister Growers, Inc., Carrollton, Mo.	2,000	98.07	74.24	90.8	23.4	11.0	11.0	3.0	0.6
Pioneer 339	Iowa Corn & Small Grain Growers Assn., Ames	*	98.00	79.30	93.3	23.1	15.5	14.9	3.0	0.0
U57	United Hybrid Growers Assn., Shenandoah	5,400	97.67	79.67	90.0	22.8	19.8	12.0	3.0	0.6
U. S. Hybrid 13	Iowa Corn & Small Grain Growers Assn., Ames	*	97.32	79.94	90.8	24.4	11.6	19.9	3.2	0.6
Tweedy 66	R. J. Tweedy & Sons, Mt. Pleasant	50	97.28	79.30	92.8	23.8	9.6	21.6	3.0	0.9
ACE 233	Eliason Seed Sales, West Liberty	325	97.21	72.08	93.1	24.4	2.4	17.6	3.2	0.3
U50A	United Hybrid Growers Assn., Shenandoah	5,500	97.18	74.28	93.1	22.5	12.5	12.8	3.0	0.0
DeKalb 800A	Iowa Corn & Small Grain Growers Assn., Ames	*	96.93	78.22	96.1	23.7	7.2	23.4	3.2	0.3
U6 (white)	United Hybrid Growers Assn., Shenandoah	5,100	96.60	79.04	90.0	30.5	24.4	1.9	3.3	0.0
Tomahawk 92	Thompson Hybrid Corn Co., Inc., Belmond	1,466	96.50	78.59	95.6	23.7	11.9	20.4	3.0	0.3
U62A	United Hybrid Growers Assn., Shenandoah	1,000	96.01	72.70	89.2	27.2	4.7	16.5	3.0	0.3
U63A	United Hybrid Growers Assn., Shenandoah	90	95.52	83.22	90.0	29.2	16.4	20.1	3.3	0.3
Iowa Hybrid 4513	Iowa Crop Improvement Assn., Ames	Comp.	94.54	75.81	89.4	24.4	16.5	15.8	2.8	0.0
PAG 170	Iowa Corn & Small Grain Growers Assn., Ames	*	94.46	80.61	93.3	23.7	25.3	14.9	3.0	0.6
Harper 400H	Harper Hardy Hybrids, Vinton	300	93.59	81.66	95.8	20.5	25.8	21.5	2.7	0.0
Pioneer 336	Iowa Corn & Small Grain Growers Assn., Ames	*	92.46	75.23	91.7	24.8	11.6	24.4	3.0	0.4
Pioneer 300	Iowa Corn & Small Grain Growers Assn., Ames	*	91.81	81.15	92.8	26.9	25.8	18.6	3.0	0.9
350	Cargill, Inc., Grinnell	7,500	91.75	77.98	90.6	24.4	21.8	19.9	3.0	1.8
Pioneer 335	Iowa Corn & Small Grain Growers Assn., Ames	*	91.58	83.99	93.9	25.9	33.7	16.6	3.0	0.3
Cornhusker 45	Cornhusker Hybrid Co., Fremont, Nebr.	1,050	90.42	81.90	91.4	27.7	41.0	7.3	3.3	0.0
Pioneer 335	Garst & Thomas Hybrid Corn Co., Coon Rapids	39,350	88.98	78.68	88.6	25.5	30.1	18.8	3.0	0.6
Average of all entries				81.02	92.7	24.4	12.3	14.3	3.0	0.5

* Widely grown hybrids as determined by a survey of farmers.

† Differences in yield between any two entries of less than 6.05 bushels an acre are not considered significant.

TABLE 22. DISTRICT TWELVE

This table shows the performance of 64 hybrids tested near Danville in Des Moines County.

Cooperator—Howard Waters

Date planted—May 8, 1951

Date harvested—Oct. 19 and 24, 1951

Hybrid	Name and address of entrant	Bushels available for plant- ing in 1951	Perform- ance score	Acre yield bu.†	Stand pct.	Moist. pct.	Lodging pct. root	stalk	Ear ht.	Drop'd ears pct.	H. tur- cicum av.
Maygold 50A	Earl E. May Seed Co., Shenandoah	60	133.82	79.55	95.0	20.5	12.0	4.7	3.0	0.3	4.0
Bear OK-89	Bear Hybrids Corn Co., Decatur, Ill.	500	120.23	90.13	91.9	22.5	35.1	7.0	3.0	0.3	2.8
ACE 233	Eliason Seed Sales, West Liberty	325	119.49	82.00	92.8	20.2	27.3	10.2	3.0	0.6	3.8
C318	Clarke Hybrid Corn Co., Conrad	167	116.01	81.37	90.3	19.5	32.3	9.5	3.0	0.3	3.8
Farmers 588	Farmers Hybrid Seed Corn Co., Hampton	3,000	115.82	80.41	86.7	21.4	33.7	6.7	3.0	0.3	4.2
P121	Plittmann Farm Seeds, Avoca	1,800	114.42	84.84	90.6	22.3	31.9	13.5	2.8	0.3	3.3
Federal 40	Federal Hybrids, Marion	50	112.96	84.28	95.0	20.5	38.9	8.8	3.0	0.6	3.7
124-2	W. O. McCurdy & Sons, Fremont	1,400	111.89	77.69	89.2	18.4	41.1	3.7	3.0	0.0	4.5
123-1	W. O. McCurdy & Sons, Fremont	600	110.22	86.75	95.3	23.1	41.1	10.8	2.8	0.9	3.2
M13	Munson Hybrids, Galesburg, Ill.	1,000	109.60	86.13	95.6	22.5	43.6	9.0	3.0	0.3	3.5
Null N-68	Null Seed Farms, Colchester, Ill.	345	109.57	89.08	91.9	21.0	50.5	5.4	3.0	0.0	3.7
Dockendorff 13A	Wm. Dockendorff & Sons, Danville	550	109.39	89.69	95.0	21.1	43.3	13.2	2.8	0.6	3.7
Isenhart 141	J. H. Isenhart, Batavia	250	109.04	90.50	96.7	23.1	49.4	7.2	3.0	0.3	3.2
Maygold 59A	Earl E. May Seed Co., Shenandoah	19,600	108.61	88.72	91.1	20.5	50.0	7.0	3.0	0.3	4.2
349	Cargill, Inc., Grinnell	2,200	108.23	83.41	92.5	23.7	42.0	9.6	2.8	0.0	3.5
Funk G-95	Funk Bros. Seed Co., Belle Plaine	2,079	107.86	82.83	89.4	20.8	41.0	12.1	3.0	0.0	3.8
Tomahawk 92	Thompson Hybrid Corn Co., Inc., Belmond	1,466	107.53	82.13	93.1	20.2	34.6	18.5	3.0	0.6	4.5
Funk G-94	Iowa Corn & Small Grain Growers Assn., Ames	*	107.44	78.16	88.3	20.5	34.9	15.1	3.0	0.0	4.0
Maygold 47	Earl E. May Seed Co., Shenandoah	4,000	107.35	86.29	89.4	21.4	47.8	8.4	3.0	0.3	3.5
Cornhusker 63	Cornhusker Hybrid Co., Fremont, Nebr.	5,280	106.85	78.00	84.7	18.2	44.3	7.5	2.8	0.0	4.5
C-33	Carlson Hybrid Corn Co., Audubon	2,000	106.77	77.49	90.8	21.1	33.6	16.2	2.7	0.9	4.2
Tweedy 66	R. J. Tweedy & Sons, Mt. Pleasant	50	105.96	77.74	97.5	22.3	41.9	8.8	3.0	0.0	4.0
124-H	Holden Hybrid Seed Farms, Tipton	300	105.68	83.37	94.2	20.2	49.3	7.4	3.0	0.3	3.7
Pioneer 339	Iowa Corn & Small Grain Growers Assn., Ames	*	104.20	72.31	91.9	20.2	42.3	7.3	2.8	0.3	4.3
W-300	Wilson Hybrids, Inc., Harlan	5,000	103.93	74.56	91.1	20.5	43.9	7.6	3.0	0.6	4.2
Crow 608	Crow Hybrid Corn Co., Nevada	1,500	103.52	71.61	80.8	19.5	43.0	7.2	3.0	0.3	4.3
CH-68	Christoffersen & Son, Audubon	350	103.41	81.44	95.6	21.7	52.6	4.7	2.8	0.3	3.5
U. S. Hybrid 13	J. H. Isenhart, Batavia	1,000	102.92	82.42	95.0	20.5	47.1	12.3	3.0	0.0	3.8
350	Cargill, Inc., Grinnell	7,500	102.88	81.77	90.6	20.4	42.9	16.0	3.0	0.3	3.8
PAG 392	Shrock Hybrid Corn Co., Congerville, Ill.	2,000	101.91	76.00	95.0	19.1	43.9	12.3	3.0	0.0	4.3

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Ohio Hybrid C92	Iowa Corn & Small Grain Growers Assn., Ames	*	101.48	85.73	93.3	19.5	57.4	6.9	3.0	0.6	3.8
218-B	Holden Hybrid Seed Farms, Tipton	1,100	101.03	79.37	96.1	19.5	49.1	10.7	3.0	0.0	4.3
Heim 950C	Heim Hybrid Seed Corn Co., Lake City	60	100.77	80.50	95.6	23.1	52.9	6.4	3.0	0.0	3.7
U. S. Hybrid 13	Lincoln Seed Co., Pacific Junction	1,000	100.30	78.02	94.7	23.7	46.9	10.6	3.2	0.6	3.0
Turner T60	Turner Hybrid Seed Corn Co., Grand Junction	1,800	100.18	79.21	96.1	21.3	53.2	6.7	3.0	0.6	3.5
U57	United Hybrid Growers Assn., Shenandoah	5,400	99.96	76.77	92.2	19.5	50.6	8.4	2.8	0.3	4.8
PAG Ex4343	Pfister Associated Growers, Inc., Monroe	1,200	99.80	77.15	91.7	19.1	53.9	5.8	3.0	0.6	4.0
U. S. Hybrid 13	Iowa Corn & Small Grain Growers Assn., Ames	*	99.55	83.38	94.4	21.1	50.0	14.1	3.0	0.6	3.3
H-44	Holden Foundation Hybrids, Williamsburg	100	99.19	83.68	95.6	22.5	52.9	11.3	3.0	0.0	4.2
Pioneer X7482	Pioneer Hi-Bred Corn Co., Des Moines	57	98.62	85.86	98.1	20.5	58.6	9.1	2.5	0.3	4.7
Turner S53	Turner Hybrid Seed Corn Co., Grand Junction	2,000	97.85	83.25	95.3	22.5	50.2	15.5	3.0	0.3	3.7
Iowa Hybrid 4385	Iowa Crop Improvement Assn., Ames	Comp.	97.25	76.40	93.1	21.1	57.6	3.9	3.0	0.3	4.2
Meyer 591	Winterset Hybrid Co., Winterset	475	96.35	76.27	96.1	18.6	39.9	24.0	2.5	0.0	4.7
U. S. Hybrid 35	Iowa Crop Improvement Assn., Ames	Comp.	95.45	81.25	92.5	19.1	56.5	12.3	2.8	0.3	4.5
PAG 185	Missouri-Pfister Growers, Inc., Carrollton, Mo.	2,000	95.30	77.39	88.9	19.5	52.8	12.8	2.8	0.3	4.0
DeKalb 847	Iowa Corn & Small Grain Growers Assn., Ames	*	94.61	80.21	90.3	20.1	61.5	7.1	2.7	0.0	4.0
Pioneer 302	Garst & Thomas Hybrid Corn Co., Coon Rapids	25,000	93.03	83.34	94.4	25.2	65.3	5.3	3.0	0.6	2.3
Funk G-99	Funk Bros. Seed Co., Belle Plaine	1,587	92.80	80.74	94.7	24.4	59.8	9.4	3.0	0.3	3.3
Harper 400H	Harper Hardy Hybrids, Vinton	300	91.65	82.00	96.7	18.5	65.2	9.5	2.3	0.0	4.7
Pioneer 336	Iowa Corn & Small Grain Growers Assn., Ames	*	90.60	77.43	93.9	20.5	58.3	13.0	3.0	0.3	4.2
Iowa-Missouri 375A	Iowa-Missouri Hybrid Corn Co., Keosauqua	1,341	90.23	83.54	95.6	22.4	60.8	15.1	2.8	0.0	4.2
Iowa Hybrid 4513	Iowa Crop Improvement Assn., Ames	Comp.	88.48	74.02	93.6	20.2	56.1	15.4	2.7	0.0	4.8
U-BBF50	United Hybrid Growers Assn., Shenandoah	1,300	88.13	72.12	81.4	21.1	55.3	14.7	2.8	0.0	4.0
DeKalb 800A	Iowa Corn & Small Grain Growers Assn., Ames	*	87.63	73.72	90.8	21.7	59.6	11.9	3.0	0.3	4.0
U62A	United Hybrid Growers Assn., Shenandoah	1,000	86.91	72.73	91.9	23.7	48.9	21.8	2.7	0.3	3.8
Pioneer 301	Pioneer Hi-Bred Corn Co., Des Moines	3,360	86.78	86.95	93.9	20.1	73.7	10.7	3.0	0.0	4.3
Pioneer 300	Iowa Corn & Small Grain Growers Assn., Ames	*	86.47	76.42	94.2	22.5	63.7	11.2	3.0	0.0	4.2
PAG 170	Iowa Corn & Small Grain Growers Assn., Ames	*	84.68	77.42	90.6	18.5	67.8	12.3	3.0	0.0	4.8
U50A	United Hybrid Growers Assn., Shenandoah	5,500	83.35	70.01	88.1	19.9	66.6	8.5	2.7	0.0	4.3
Pioneer 335	Garst & Thomas Hybrid Corn Co., Coon Rapids	39,350	82.99	77.96	92.8	21.1	68.6	12.9	2.7	0.0	4.3
Pioneer 335	Iowa Corn & Small Grain Growers Assn., Ames	*	79.49	81.13	96.1	20.2	75.4	13.6	2.8	0.0	4.5
U63A	United Hybrid Growers Assn., Shenandoah	90	78.21	75.02	89.2	27.2	69.5	12.8	3.0	0.0	3.0
U6 (white)	United Hybrid Growers Assn., Shenandoah	5,100	76.71	72.36	94.4	28.9	79.1	2.1	3.0	0.0	2.8
Cornhusker 45	Cornhusker Hybrid Co., Fremont, Nebr.	1,050	66.76	65.56	95.0	25.9	83.6	6.4	3.0	0.3	3.5
Average of all entries				80.12	92.6	21.2	50.6	10.3	2.9	0.0	3.9

* Widely grown hybrids as determined by a survey of farmers.

† Differences in yield between any two entries of less than 4.79 bushels an acre are not considered significant.

INDEX OF ENTRIES

Entries in the 1951 Yield Test are listed alphabetically showing the type of cross, sections where tested and table numbers where information can be found. Where a hybrid is entered more than once in a section, the number of times entered is shown with the section letter (as NCs).

Hybrid	Type of cross	Section entered*	Performance record in table no.	Hybrid	Type of cross	Section entered*	Performance record in table no.
ACE 233	3x	S	11, 21, 22	DeKalb 241		N	4, 8, 12-14
ACE 340-N	4x	SC	10, 18-20	DeKalb 404A		N, NC	4, 5, 8, 9, 12-17
Bear OK-31	4x	NC	5, 9, 15-17	DeKalb 406		N, NC	4, 5, 8, 9, 12-17
Bear OK-50	4x	SC	10, 18-20	DeKalb 410		N	4, 8, 12-14
Bear OK-89	4x	S	11, 21, 22	DeKalb 627		SC	6, 10, 18-20
Beeghly B	4x	NC	9, 15-17	DeKalb 800A		S	7, 11, 21, 22
Blaney B50	4x	N	8, 12-14	DeKalb 847		S	7, 11, 21, 22
Cargill N150	4x	N	8, 12-14	Dockendorff 13A	4x	S	7, 11, 21, 22
Cargill 200	4x	N	8, 12-14	Epley Medium	4x	NC	9, 15-17
Cargill 250	4x	NC	9, 15-17	Epley HOW	4x	N	8, 12-14
Cargill 251	4x	NC	9, 15-17	Exp. W-H	4x	N	4, 8, 12-14
Cargill 300A	4x	SC	10, 18-20	Farmers 223	4x	N	4, 8, 12-14
Cargill 328	4x	N	8, 12-14	Farmers 322	4x	NC	5, 9, 15-17
Cargill 333	4x	SC	10, 18-20	Farmers 327	4x	NC	9, 15-17
Cargill 337	4x	SC	10, 18-20	Farmers 388		N	8, 12-14
Cargill 349	4x	S	11, 21-22	Farmers 427A		N, NC	5, 8, 9, 12-17
Cargill 350	4x	S	11, 21-22	Farmers 488		SC	6, 10, 18-20
Carlson C-7	4x	N	4, 8, 12-14	Farmers 509	4x	SC	6, 10, 18-20
Carlson C-8	4x	N	4, 8, 12-14	Farmers 555	4x	SC	6, 10, 18-20
Carlson C-12	4x	NC	5, 9, 15-17	Farmers 588	4x	S	7, 11, 21, 22
Carlson C-22	4x	SC	6, 10, 18-20	Federal 40	4x	S	11, 21, 22
Carlson C-25	4x	SC	10, 18-20	Federal 41	4x	SC	10, 18-20
Carlson C-33	4x	S	7, 11, 21, 22	Federal 155	4x	SC	10, 18-20
Christoffersen				Federal 240	4x	NC	9, 15-17
CH-38	4x	N	8, 12-14	Federal 300	4x	N	8, 12-14
CH-48	4x	NC	9, 15-17	Federal 300A	4x	N	8, 12-14
CH-58	4x	SC	10, 18-20	Funk G-1A	4x	N	4, 8, 12-14
CH-68	4x	S	11, 21, 22	Funk G-6		N	8, 12-14
Clarke C15	4x	N	4, 8, 12-14	Funk G-28	4x	N	8, 12-14
Clarke C17	4x	N	8, 12-14	Funk G-30	4x	N	8, 12-14
Clarke C217	4x	N	4, 8, 12-14	Funk G-37	4x	SC	6, 10, 18-20
Clarke C257	4x	NC	5, 9, 15-17	Funk G-45	4x	NC	9, 15-17
Clarke C258	4x	NC	5, 9, 15-17	Funk G-54	4x	SC	6, 10, 18-20
Clarke C277	4x	SC	6, 10, 18-20	Funk G-60	4x	SC	10, 18-20
Clarke C318	4x	S	11, 21, 22	Funk G-65	4x	SC	10, 18-20
Clarke C320	4x	SC	6, 10, 18-20	Funk G-68	4x	N	8, 12-14
Coppock 52A	4x	SC	10, 18-20	Funk G-68A	4x	N	8, 12-14
Cornelius C43	4x	NC	5, 9, 15-17	Funk G-77A	4x	NC	9, 15-17
Cornelius C66	4x	SC	6, 10, 18-20	Funk G-94		S	11, 21, 22
Cornelius 404	4x	N	8, 12-14	Funk G-95	4x	S	7, 11, 21, 22
Cornhusker 45	4x	S	11, 21, 22	Funk G-99	4x	S	7, 11, 21, 22
Cornhusker 63	4x	S	11, 21, 22	Funk G-114	4x	N	4, 8, 12-14
Cornhusker 75	4x	SC	6, 10, 18-20	Funk 10562	4x	NC	9, 15-17
Cornhusker 83	4x	N	4, 8, 12-14	Funk 94420	4x	N	8, 12-14
Cornhusker 84	4x	NC	9, 15-17	Green Acres 472	4x	NC	9, 15-17
Cornhusker 85	4x	N	4, 8, 12-14	Harper 307H	4x	SC	10, 18-20
Cornhusker 148	4x	SC	10, 18-20	Harper 400H	4x	S	11, 21, 22
Corn King 112	3x	N	8, 12-14	Heim 600C	4x	NC	5, 9, 15-17
Corn King 114	4x	NC	5, 9, 15-17	Heim 609C	4x	SC	10, 18-20
Crow 260	4x	N	8, 12-14	Heim 650C	4x	N	4, 8, 12-14
Crow 407		N	8, 12-14	Heim 950C	4x	S	11, 21, 22
Crow 432	4x	NC	9, 15-17	Holden H-3	3x	SC	6, 10, 18-20
Crow 608	4x	S	11, 21, 22	Holden H-31	4x	N	8, 12-14
Crow 660	4x	SC	10, 18-20	Holden H-42	4x	NC	9, 15-17
Crow Deep Root	2x	SC	6, 10, 18-20	Holden H-44	4x	S	11, 21, 22

* N—Northern Section; NC—North Central Section; SC—South Central Section; S—Southern Section.

† 2x=single cross; 3x=three-way cross; 4x=double cross.

	Hybrid	Type of cross	Section entered*	Performance record in table no.	Hybrid	Type of cross	Section entered*	Performance record in table no.
Holden 45-H	4x	N		4, 8, 12-14	Pioneer 336	4x	SC, S	7, 10, 11, 18-22
Holden 57-H	4x	SC		6, 10, 18-20	Pioneer 337	4x	NC	5, 9, 15-17
Holden 77-H	4x	SC		6, 10, 18-20	Pioneer 339	4x	NC, SC, S	6, 7, 9-11, 15-22
Holden 105-H	4x	N		8, 12-14	Pioneer 340		SC	6, 10, 18-20
Holden 124-H	4x	S		7, 11, 21, 22	Pioneer 344	4x	N, NC ₂	4, 5, 8, 9, 12-17
Holden 214-B	3x	N		4, 8, 12-14	Pioneer 347	4x	NC ₂	5, 9, 15-17
Holden 215-H	3x	NC		5, 9, 15-17	Pioneer 348	4x	N	8, 12-14
Holden 218-B	3x	S		7, 11, 21, 22	Pioneer 349	4x	N ₃ , NC	4, 8, 9, 12-17
Hunt 5220	4x	NC		5, 9, 15-17	Pioneer 350		NC, SC	9, 10, 15-20
Iowa-Missouri 375A	4x	S		11, 21, 22	Pioneer 350B		SC	10, 18-20
Ishenhardt 141	4x	S		11, 21, 22	Pioneer 352	4x	N ₂ , NC ₂	4, 5, 8, 9, 12-17
Jacobsen J-10	4x	N		4, 8, 12-14	Pioneer 372	4x	N	8, 12-14
Jacobsen J-24	4x	SC		10, 18-20	Pioneer X0001	4x	NC	9, 15-17
Jacobsen J-39-A	4x	NC		5, 9, 15-17	Pioneer X6035	4x	SC	6, 10, 18-20
Maygold 47	4x	S		11, 21, 22	Pioneer X7164	4x	N	8, 12-14
Maygold 49	4x	SC		6, 10, 18-20	Pioneer X7278	4x	N	8, 12-14
Maygold 50A	3x	S		7, 11, 21, 22	Pioneer X7482	4x	S	11, 21, 22
Maygold 59	4x	SC		6, 10, 18-20	Tomahawk 30	3x	N	8, 12-14
Maygold 59A	4x	S		7, 11, 21, 22	Tomahawk 42	4x	N	4, 8, 12-14
Maygold 69	4x	NC		5, 9, 15-17	Tomahawk 60	3x	NC	5, 9, 15-17
Maygold 89	4x	NC		5, 9, 15-17	Tomahawk 80	3x	SC	10, 18-20
Maygold 99A	4x	N		4, 8, 12-14	Tomahawk 85	4x	SC	10, 18-20
Maygold 1065	3x	N		8, 12-14	Tomahawk 92	4x	S	11, 21, 22
McCurdy 95M	4x	N		4, 8, 12-14	Turner S53	4x	S	7, 11, 21, 22
McCurdy 96M	4x	N		4, 8, 12-14	Turner S57	4x	SC	6, 10, 18-20
McCurdy 111M	4x	N		4, 18, 12-14	Turner T12A	4x	N	8, 12-14
McCurdy 117M	4x	SC		6, 10, 18-20	Turner T27	4x	N	4, 8, 12-14
McCurdy 123-1	4x	S		11, 21, 22	Turner T48	4x	NC	5, 9, 15-17
McCurdy 124-2	4x	S		7, 11, 21, 22	Turner T60	4x	S	7, 11, 21, 22
McCurdy 600	2x	NC		5, 9, 15-17	Tweedy 66	4x	S	11, 21, 22
McCurdy 825	2x	SC		6, 10, 18-20	United U6 (white)	4x	S	11, 21, 22
McCurdy 987M	4x	SC		6, 10, 18-20	United U32	4x	N	8, 12-14
Mellowdent M88	4x	N		8, 12-14	United U32A	4x	N	4, 8, 12-14
Mellowdent 89	4x	N		8, 12-14	United U33	3x	N	8, 12-14
Mellowdent 194	4x	NC		9, 15-17	United U36	4x	N	4, 8, 12-14
Mellowdent M195	4x	NC		9, 15-17	United U37A	4x	N	8, 12-14
Meyer 591	4x	S		7, 11, 21, 22	United U39	4x	N	4, 8, 12-14
Moews 14		SC		10, 18-20	United U40	4x	NC	5, 9, 15-17
Munson M13	4x	S		11, 21, 22	United U41	4x	NC	5, 9, 15-17
Null N-68	4x	S		11, 21, 22	United U42A	4x	NC	5, 9, 15-17
PAG 170	4x	NC, SC, S		5-7, 9-11, 15-22	United U47	4x	NC	5, 9, 15-17
PAG 185	4x	S		11, 21, 22	United U47A	4x	SC	10, 18-20
PAG 253	4x	N, NC		4, 5, 8, 9, 12-17	United U49	4x	SC	6, 10, 18-20
PAG 270	4x	N, NC		4, 5, 8, 9, 12-17	United U50	4x	SC	6, 10, 18-20
PAG 277	4x	N		8, 12-14	United U50A	4x	S	11, 21, 22
PAG 281	4x	SC		6, 10, 18-20	United U52	4x	SC	6, 10, 18-20
PAG 282	4x	N		4, 8, 12-14	United U53	3x	SC	10, 18-20
PAG 299	4x	N, NC ₂		4, 5, 8, 9, 12-17	United U57	4x	S	11, 21, 22
PAG 347	4x	NC, SC ₂		5, 6, 9, 10, 15-20	United U59	4x	SC	10, 18-20
PAG 392	4x	SC, S		6, 7, 10, 11, 18-22	United U62A	4x	S	11, 21, 22
PAG 366B	4x	NC		5, 9, 15-17	United U63A	3x	S	11, 21, 22
PAG X872	4x	NC		9, 15-17	United U-BBF50	4x	S	11, 21, 22
PAG X874	4x	SC		10, 18-20	Wilson W-77	4x	N	4, 8, 12-14
PAG Ex4199	4x	N		8, 12-14	Wilson W-145	4x	N	4, 8, 12-14
PAG Ex4341	4x	SC		10, 18-20	Wilson W-205A	4x	SC	6, 10, 18-20
PAG Ex4343	4x	S		11, 21, 22	Wilson W-245	4x	NC	5, 9, 15-17
PAG Ex4506	4x	SC		10, 18-20	Wilson W-300	4x	S	7, 11, 21, 22
PAG 35-2965	4x	NC		5, 9, 15-17	Wilson W-310	4x	SC	6, 10, 18-20
Pittmann P121	4x	S		11, 21, 22				
Pioneer 300	4x	SC ₂ , S		6, 7, 10, 11, 18-22				
Pioneer 301	4x	SC, S		10, 11, 18-22				
Pioneer 302	4x	S		7, 11, 21, 22				
Pioneer 322	4x	NC		9, 15-17				
Pioneer 325	4x	NC		9, 15-17				
Pioneer 335	4x	SC ₂ , S ₂		6, 7, 10, 11, 18-22				

*N—Northern Section; NC—North Central Section; SC—South Central Section; S—Southern Section.

†2x=single cross; 3x=three-way cross; 4x=double cross.

INDEX OF ENTRIES—(Continued)

Pedigrees of experiment station and U. S. hybrids included in the 1951 test are listed below.

Hybrid	Pedigree	Section entered*	Performance record in table no.
AES 801 (Ia. 4527)	(WF9 x B7) x (B10 x B14)	SC	6, 10, 18-20
Indiana Hybrid 608C	(WF9 x Hy) x (A x Tr)	NC	5, 9, 15-17
Iowa Hybrid 306	(WF9 x Os420) x (L289 x I205)	NC	5, 9, 15-17
Iowa Hybrid 4249	(M14 x 187-2) x (WF9 x Os420)	NC ₂	9, 15-17
Iowa Hybrid 4297	(M14 x 187-2) x (WF9 x I205)	N, NC ₂ , SC	5, 6, 8-10, 12-20
Iowa Hybrid 4298	(WF9 x M14) x (Os420 x 187-2)	NC, SC	5, 6, 9, 10, 15-20
Iowa Hybrid 4316	(WF9 x M14) x (L289 x I205)	N, NC	8, 9, 12-17
Iowa Hybrid 4345	(WF9 x I205) x (M14 x Hy)	NC	9, 15-17
Iowa Hybrid 4376	(M14 x 187-2) x (WF9 x B6)	NC	5, 9, 15-17
Iowa Hybrid 4385	(WF9 x 38-11) x (187-2 x Oh07)	SC, S	7, 10, 11, 18-22
Iowa Hybrid 4397	(M14 x W22) x (WF9 x I205)	NC	5, 9, 15-17
Iowa Hybrid 4412	(M14 x 187-2) x (WF9 x Hy)	NC	5, 9, 15-17
Iowa Hybrid 4417	(WF9 x M14) x (B8 x I153)	N	4, 8, 12-14
Iowa Hybrid 4418	(WF9 x M14) x (W22 x I205)	NC	9, 15-17
Iowa Hybrid 4441	(M14 x Oh28) x (B8 x Oh51A)	N	4, 8, 12-14
Iowa Hybrid 4450	(WF9 x M14) x (187-2 x I205)	NC	5, 9, 15-17
Iowa Hybrid 4459	(WF9 x Hy) x (Os420 x 187-2)	NC	5, 9, 15-17
Iowa Hybrid 4470	(WF9 x M14) x (L289 x B6)	NC	5, 9, 15-17
Iowa Hybrid 4483	(WF9 x M14) x (B8 x B16)	N	8, 12-14
Iowa Hybrid 4513	(WF9 x 38-11) x (Os420 x 187-2)	S	7, 11, 21, 22
Iowa Hybrid 4517	(WF9 x Hy) x (B7 x B14)	NC, SC	6, 9, 10, 15-20
Iowa Hybrid 4525	(WF9 x B7) x (Hy x W22)	SC	6, 10, 18-20
Iowa Hybrid 4531	(WF9 x Hy) x (B10 x B14)	SC	6, 10, 18-20
Iowa Hybrid 4535	(WF9 x B14) x (187-2 x 38-11)	SC	10, 18-20
Iowa Hybrid 4537	(WF9 x B14) x (I205 x 187-2)	NC	9, 15-17
Iowa Hybrid 4576	(WF9 x M14) x (B7 x B14)	NC	9, 15-17
Ohio Hybrid C92	(WF9 x 38-11) x (Hy x Oh07)	SC ₃ , S	6, 7, 10, 11, 18-22
U. S. Hybrid 13	(WF9 x 38-11) x (Hy x L317)	SC, S ₃	7, 10, 11, 18-22
U. S. Hybrid 35	(WF9 x 38-11) x (Hy x R4)	SC, S	7, 10, 11, 18-22

* N—Northern Section; NC—North Central Section; SC—South Central Section; S—Southern Section.